

Saunders, Della (DPH)

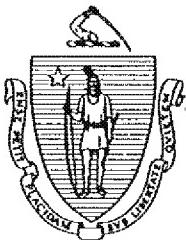
From: Armistead, Lewis (PLY)
Sent: Tuesday, June 19, 2012 12:17 PM
To: Saunders, Della (DPH); Corbett, Kate (DPH)
Subject: [REDACTED]

Ladies,
These cases have been continued to Monday, October 1st. You are released from the summons you have for tomorrow morning. You will be getting a new summons for that next date, but would appreciate it if you would pencil that date in. The continuance was granted because defense counsel is requesting discovery packages for the following files:

1. [REDACTED]
2. [REDACTED]
3. [REDACTED]
4. [REDACTED]

I would appreciate your sending me those files to: Plymouth District Attorney's Office
32 Belmont Street
Brockton, MA 02301

Thanks, Lewie



The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

BUREAU OF LABORATORY SCIENCES

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

June 20, 2012

ADA Lewis Armistead
Plymouth County District Attorney's Office
Re: Samples [REDACTED]
Comm. vs. [REDACTED]

Dear ADA Armistead:

Enclosed are copies of the information you requested for the above mentioned samples:

- 1) Drug Receipts
- 2) Evidence Control Cards with hand-written notations
- 3) Drug Powder Analysis Form with Kate Corbett's hand-written notations [REDACTED]
- 4) Drug Powder Analysis Forms with my hand-written notations
- 5) GC/MS confirmatory data

Kate Corbett was the primary/custodial chemist and performed preliminary testing and net weight calculations for sample [REDACTED]. I was the confirmatory chemist and analyzed the GC/MS data for this sample. I was the custodial chemist and performed all of the testing for samples [REDACTED]

If you have any further questions, please do not hesitate to call me at either 617-983-6632 or 617-983-6689.

Sincerely,

A handwritten signature in black ink, appearing to read "Della Saunders".

Della Saunders
Chemist III
William A. Hinton
State Laboratory Institute
305 South Street
Jamaica Plain, MA. 02130

Cc. KAC

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services

Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours

8:00 - 11:00
2:00 - 4:00

Amherst Hours

9:00 - 12:00
1:00 - 3:00

DRUG RECEIPT

City or Department: Brockton Police Department Police Reference No. [REDACTED]

Name and Rank of Submitting Officer: DONOHUE, PATRICK S 380 DOC # R010480

Defendant(s) Name (last,first,initial):
[REDACTED]

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight Lab Number

1) PLASTIC BAGS UNK BROWN POWDER (QTY: 6)
UNK BROWN POWDER (S16194)

76.31 gm

Received By: 

Date: 7.31.08

[REDACTED] Date Analyzed: OCT 02 2008
City: Brockton Police Dept.
Officer: Detective PATRICK DONOHUE

Def: [REDACTED]

Amount: [REDACTED] ✓
No. Cont: 6 Cont.: pb Subst: SUB

Date Rec'd: 07/31/2008

Gross Wt.: 76.31

No. Analyzed: 6
Total Net Weight: 0.07g

Tests:

Prelim: Heroin

Findings: Heroin the bag

DRUG POWDER ANALYSIS FORMBalance Vok
Mettler Toledo
SN# 1120073632

SAMPLE #

AGENCY

ANALYST

No. of samples tested:

Brockton

KAC

Evidence Wt.

OK

PHYSICAL DESCRIPTION:

Gross Wt (6): 66.6916g

Gross Wt ():

Pkg. Wt:

Total:

Net Wt: 60.0741g

(6 fingers (pressed powder) of tan powder)

4 fingers were wrapped in tin foil + white paper

2 fingers were wrapped in red plastic, tin foil, & white paper

all 6 fingers were inside red packaging inside a larger pb

PRELIMINARY TESTS**Spot Tests**

6	Cobalt Thiocyanate ()	+
6	Marquis	+
6	Froehde's	+
6	Mecke's	+

Microcrystalline Tests

Gold Chloride	()
TLTA	()

OTHER TESTS

()
()
()

PRELIMINARY TEST RESULTS

RESULTS	Heroin
DATE	10/1/08

GC/MS CONFIRMATORY TEST

RESULTS	Heroin
MS OPERATOR	DCS
DATE	10/2/08

Sample #: B08-69677

samples tested: (e)

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	10.4860g	0.6289g	9.8571g	26			
2	11.3138g	1.41168g	9.8970g	27			
3	10.7052g	0.7077g	9.9975g	28			
4	10.7484g	0.6967g	10.0517g	29			
5	11.5864g	1.2732g	10.3131g	30			
6	11.2523g	1.2952g	9.9571g	31			
7				32			
8	16.6926g	0.6185g	16.0741g	33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

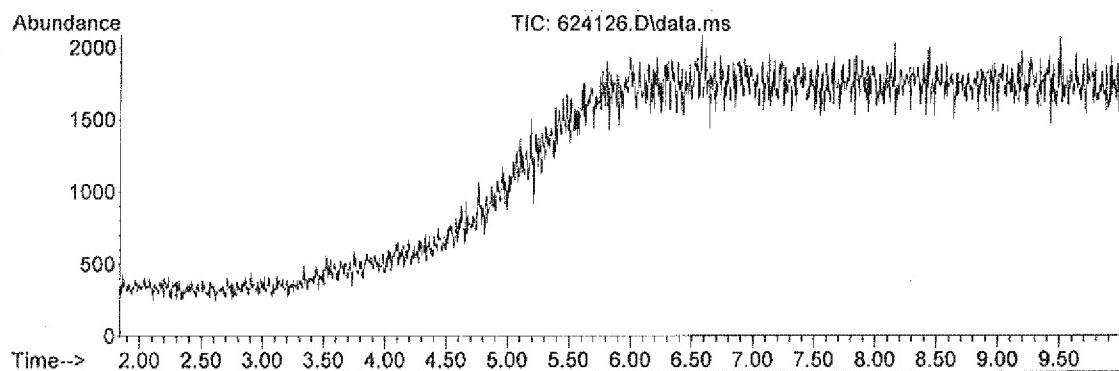
Calculations:

paperwork & net wt vck white
JG

Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624126.D
Operator : DCS
Date Acquired : 1 Oct 2008 15:47
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



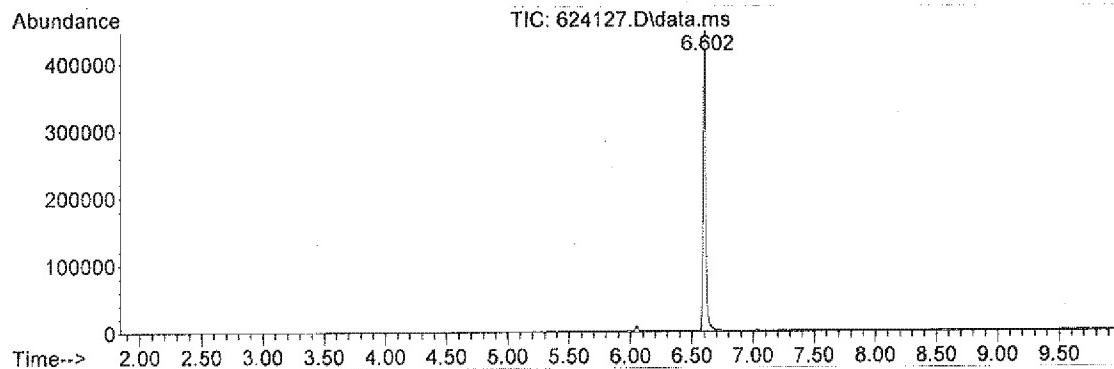
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624127.D
Operator : DCS
Date Acquired : 1 Oct 2008 16:00
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 27
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.602	659578	100.00	100.00

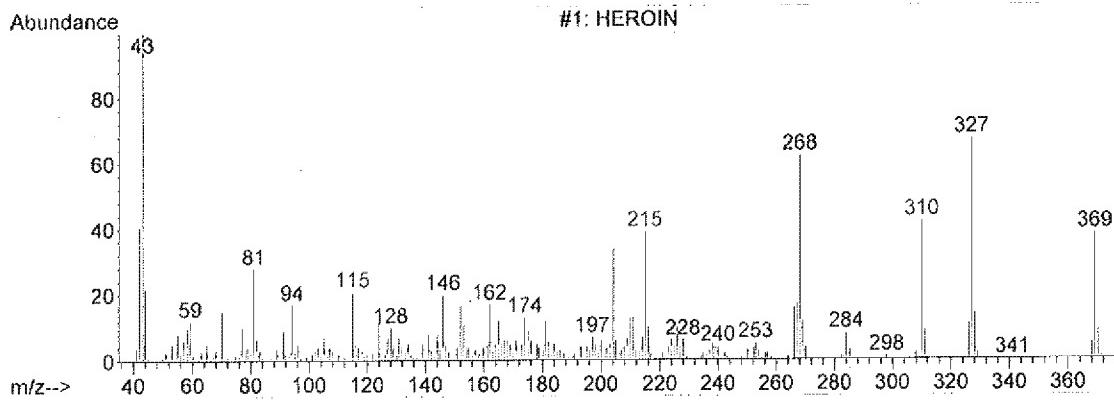
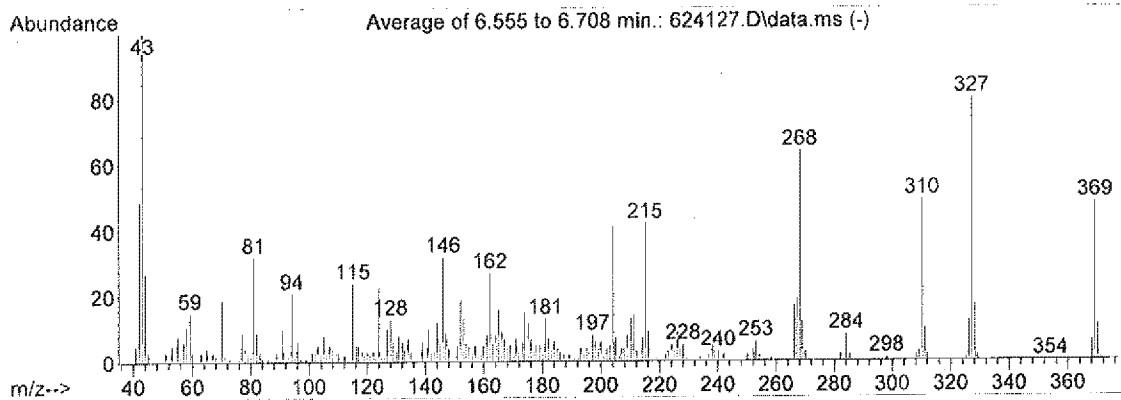
Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624127.D
Operator : DCS
Date Acquired : 1 Oct 2008 16:00
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 27
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

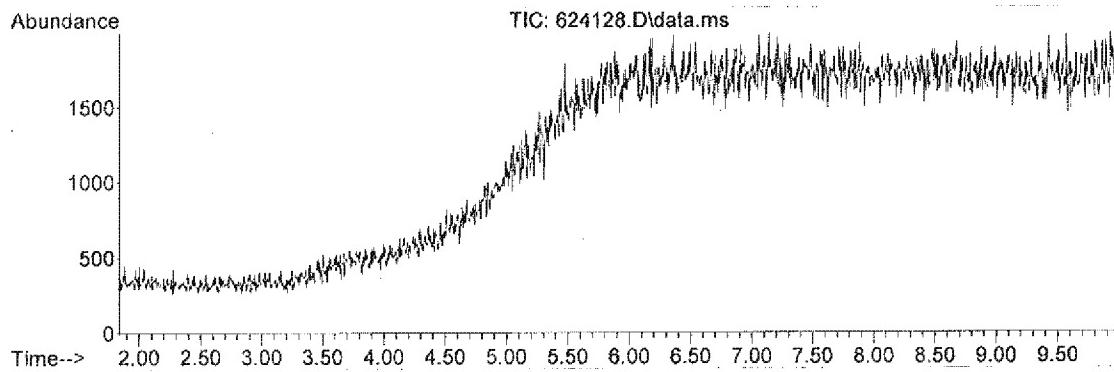
PK#	RT	Library/ID	CAS#	Qual
1	6.60	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624128.D
Operator : DCS
Date Acquired : 1 Oct 2008 16:13
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



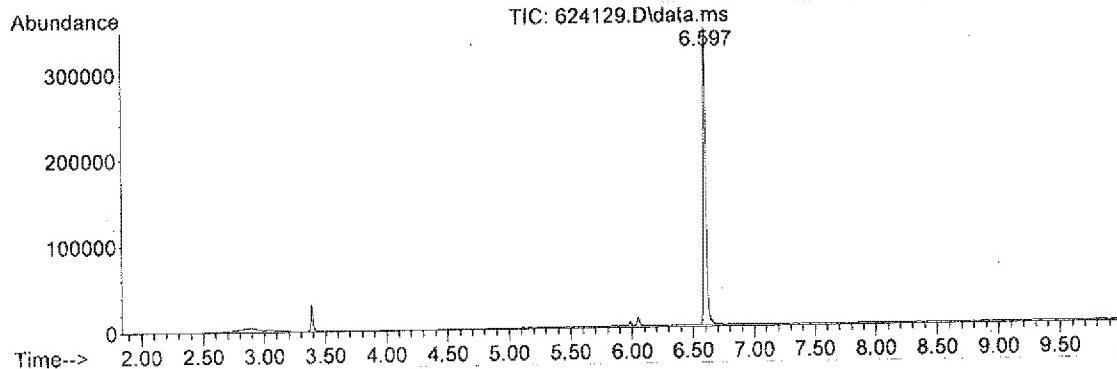
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624129.D
Operator : DCS
Date Acquired : 1 Oct 2008 16:25
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 29
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.597	538558	100.00	100.00

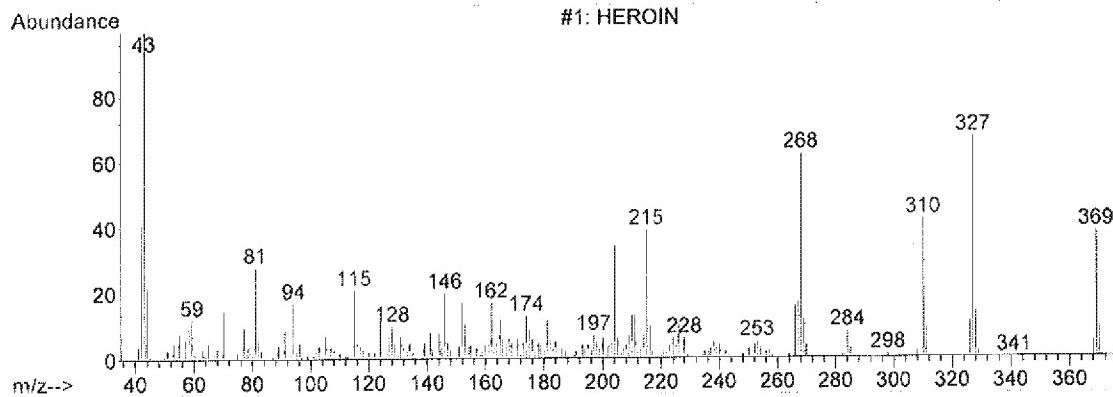
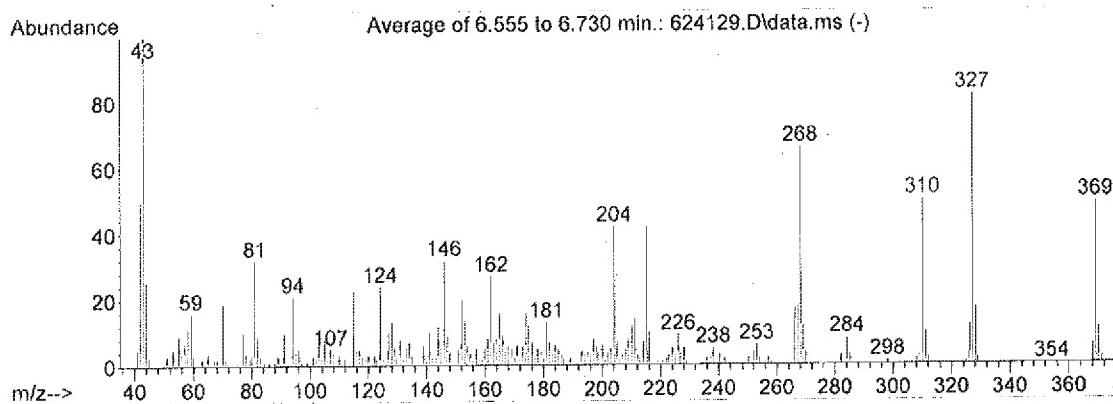
Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624129.D
Operator : DCS
Date Acquired : 1 Oct 2008 16:25
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 29
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

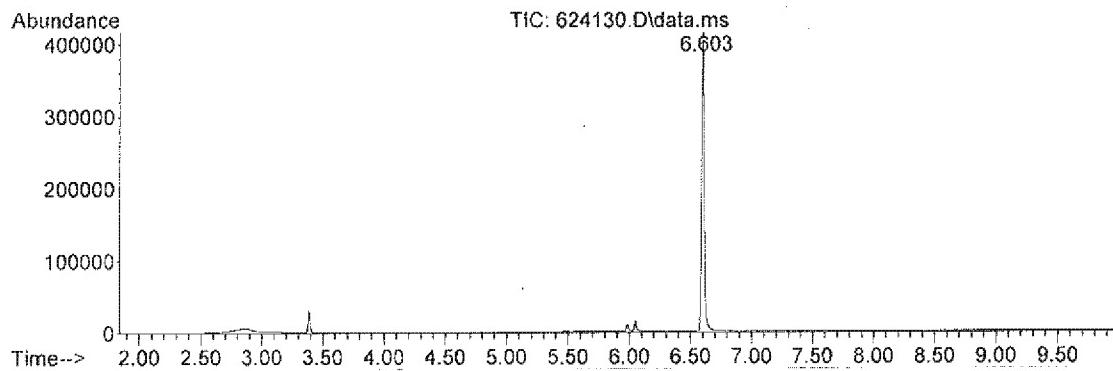
PK#	RT	Library/ID	CAS#	Qual
1	6.60	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	4



Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624130.D
Operator : DCS
Date Acquired : 1 Oct 2008 16:38
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 30
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.603	620434	100.00	100.00

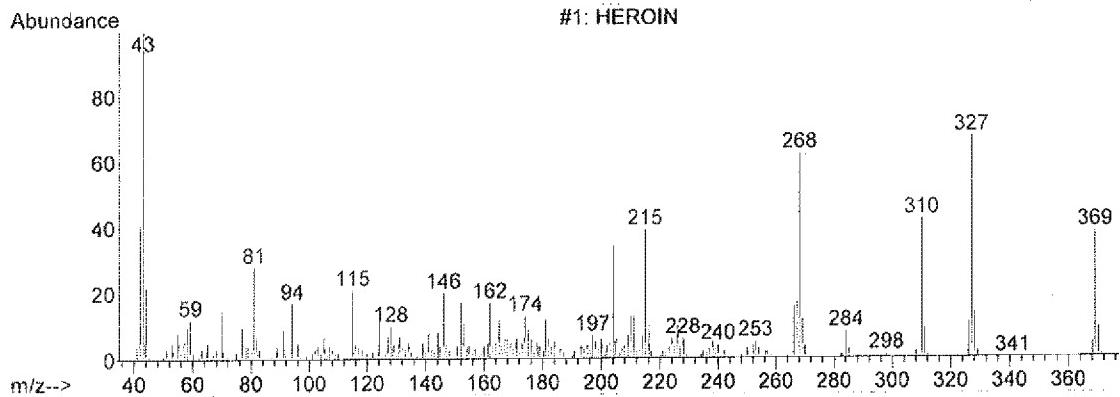
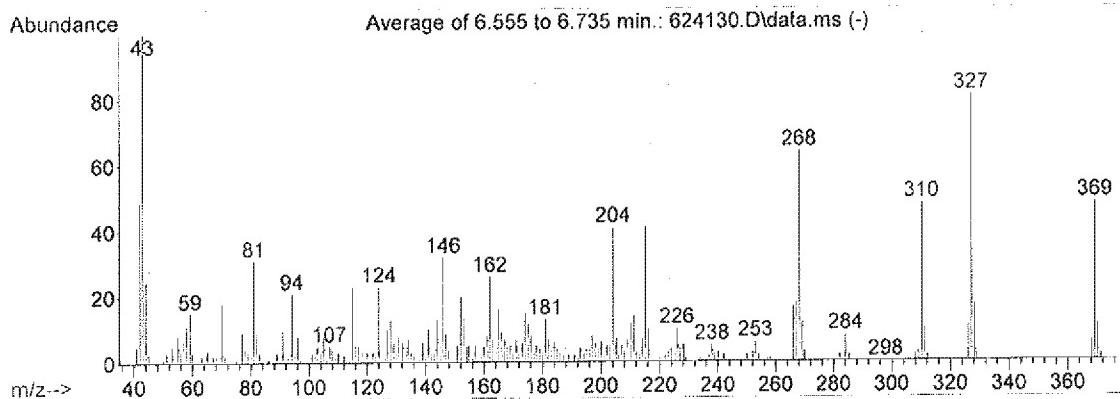
Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624130.D
Operator : DCS
Date Acquired : 1 Oct 2008 16:38
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 30
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

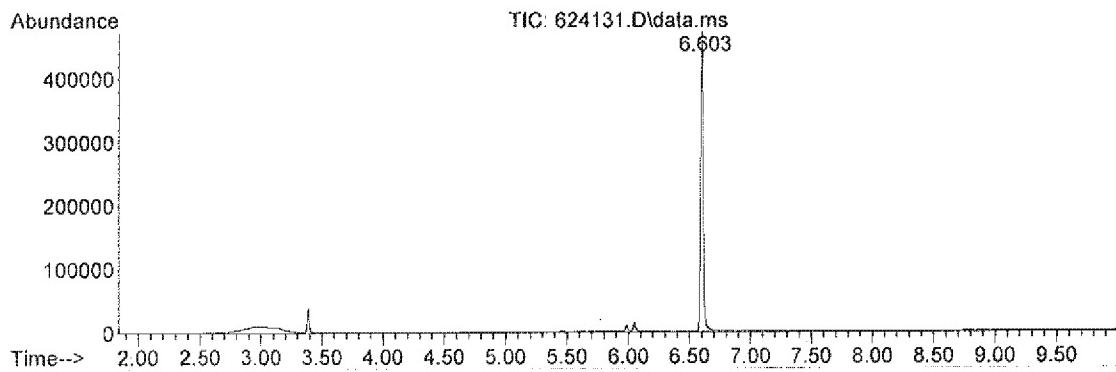
PK#	RT	Library/ID	CAS#	Qual
1	6.60	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	4



Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624131.D
Operator : DCS
Date Acquired : 1 Oct 2008 16:51
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 31
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.603	705118	100.00	100.00

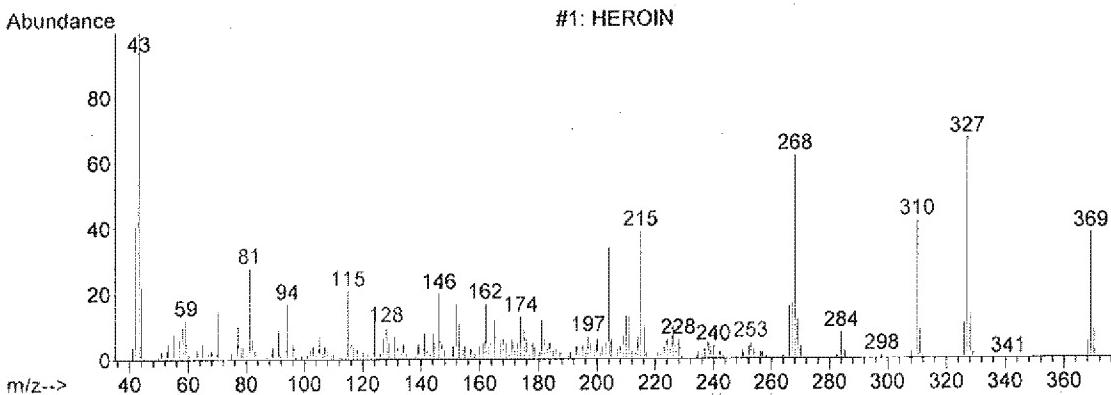
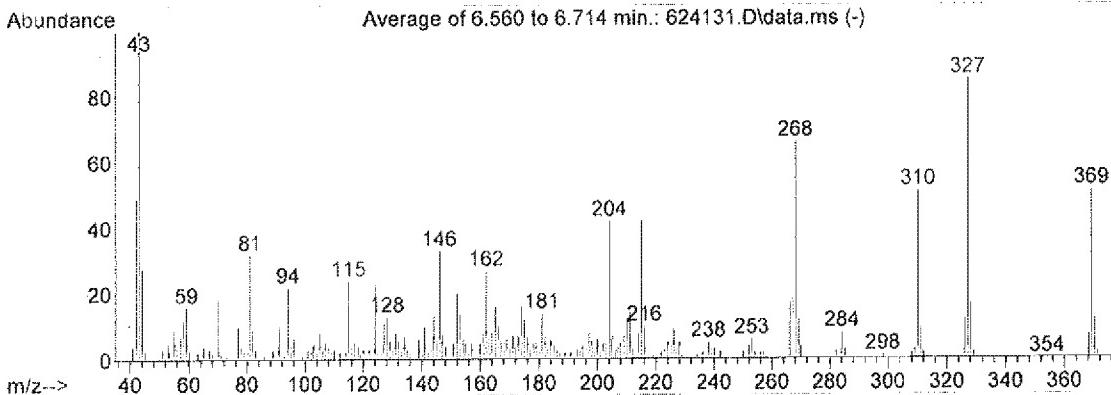
Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624131.D
Operator : DCS
Date Acquired : 1 Oct 2008 16:51
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 31
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

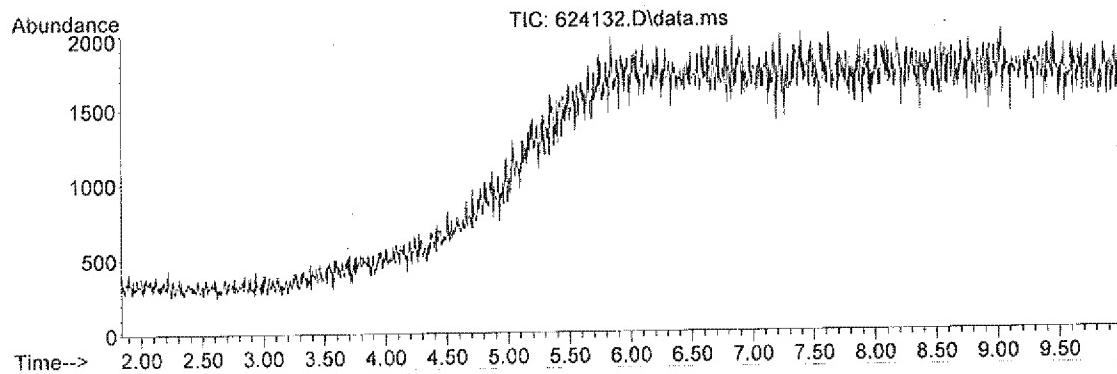
PK#	RT	Library/ID	CAS#	Qual
1	6.60	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	2



Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624132.D
Operator : DCS
Date Acquired : 1 Oct 2008 17:03
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



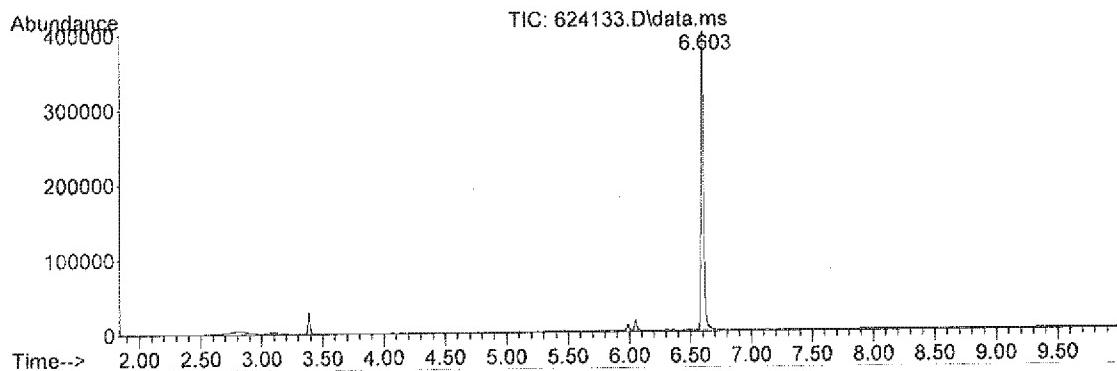
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624133.D
Operator : DCS
Date Acquired : 1 Oct 2008 17:16
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 33
AcquisitionMeth: DRUGS.M
Integrator : RTE



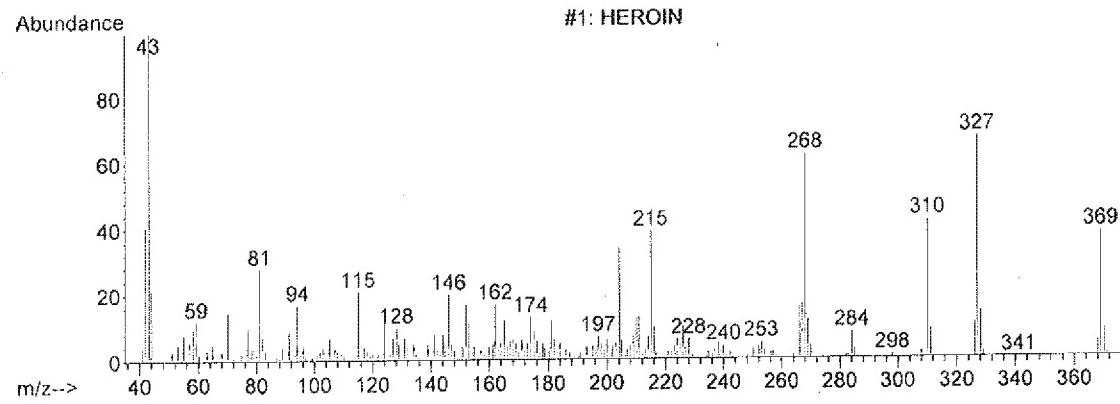
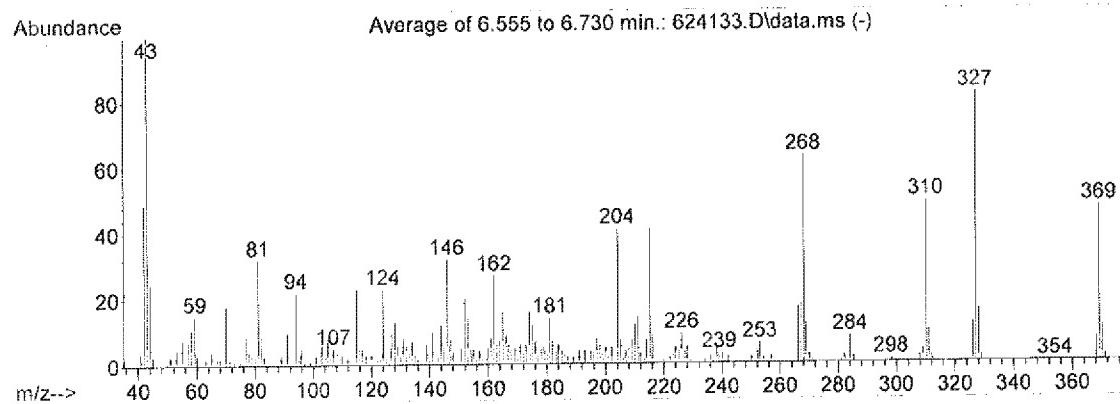
Ret. Time	Area	Area %	Ratio %
6.603	607502	100.00	100.00

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624133.D
Operator : DCS
Date Acquired : 1 Oct 2008 17:16
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 33
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

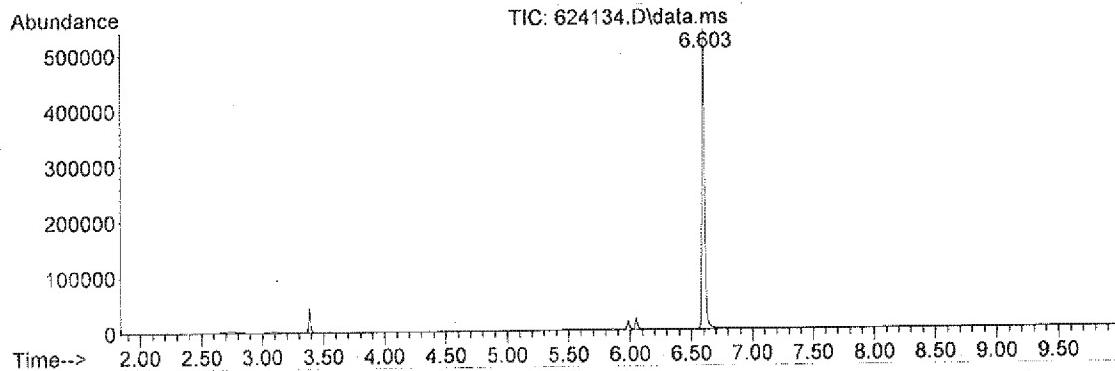
PK#	RT	Library/ID	CAS#	Qual
1	6.60	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624134.D
Operator : DCS
Date Acquired : 1 Oct 2008 17:29
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 34
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.603	795941	100.00	100.00

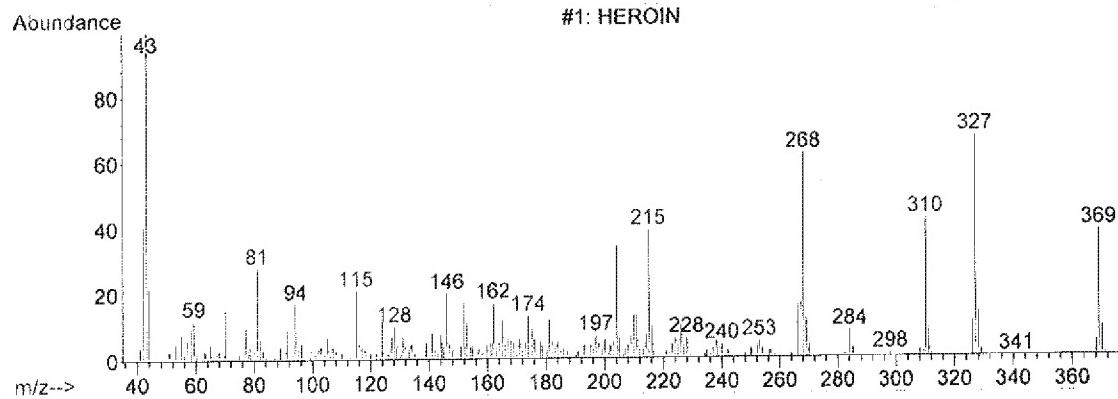
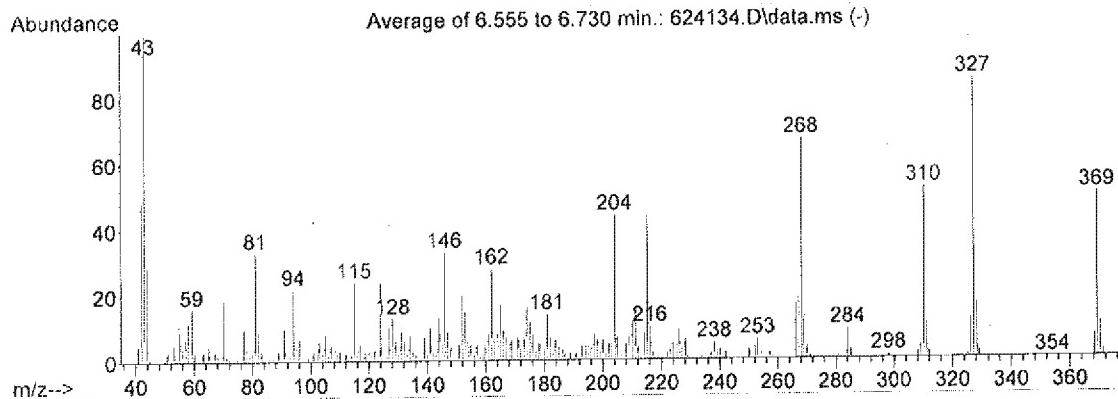
Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624134.D
Operator : DCS
Date Acquired : 1 Oct 2008 17:29
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 34
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

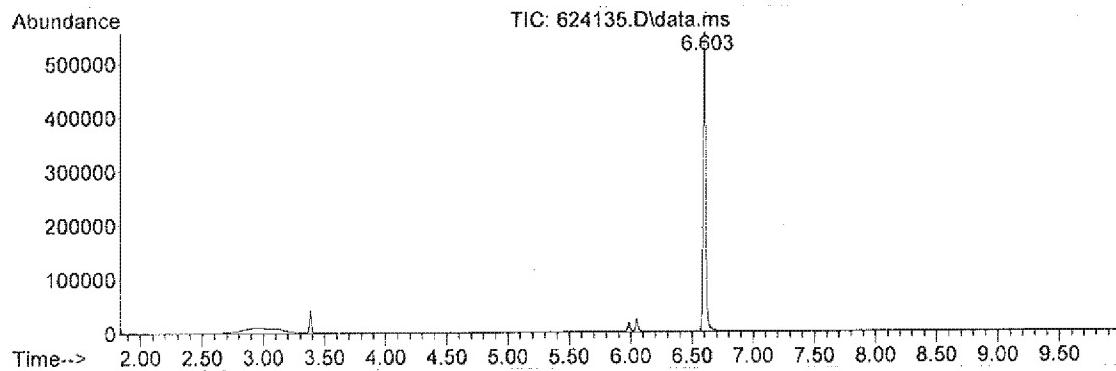
PK#	RT	Library/ID	CAS#	Qual
1	6.60	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624135.D
Operator : DCS
Date Acquired : 1 Oct 2008 17:42
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 35
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.603	822661	100.00	100.00

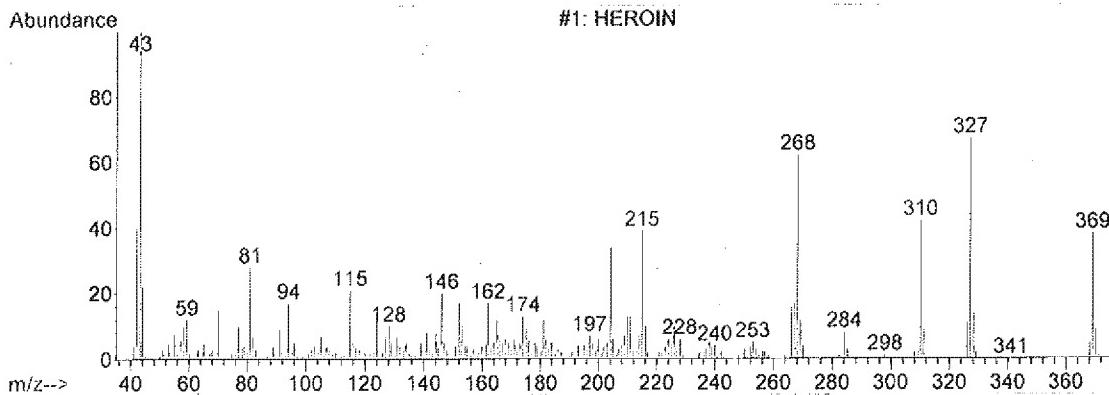
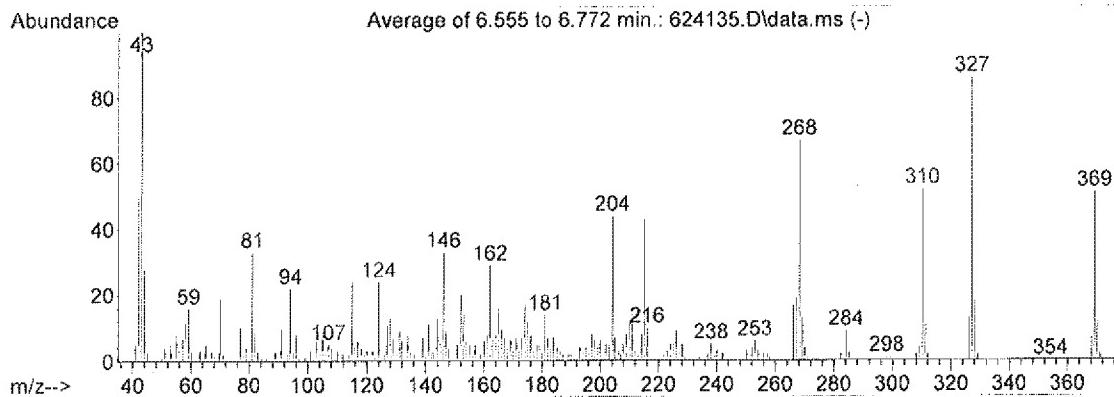
Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624135.D
Operator : DCS
Date Acquired : 1 Oct 2008 17:42
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 35
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

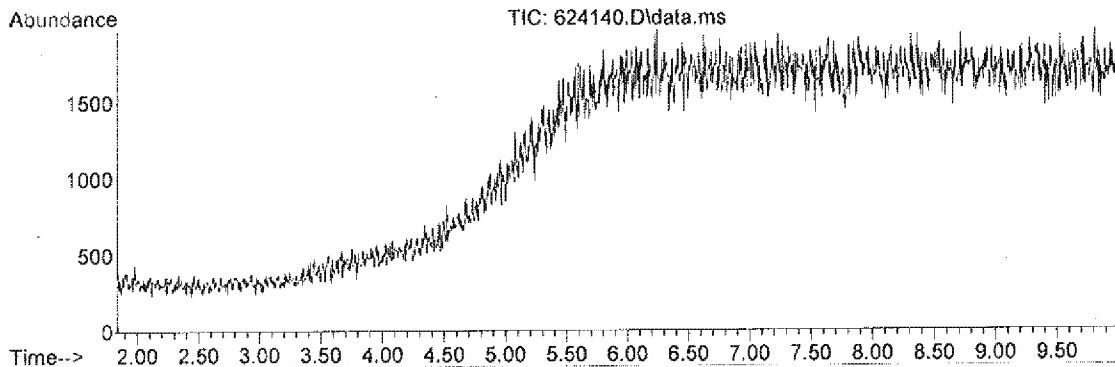
PK#	RT	Library/ID	CAS#	Qual
1	6.60	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	2



Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624140.D
Operator : DCS
Date Acquired : 1 Oct 2008 18:45
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



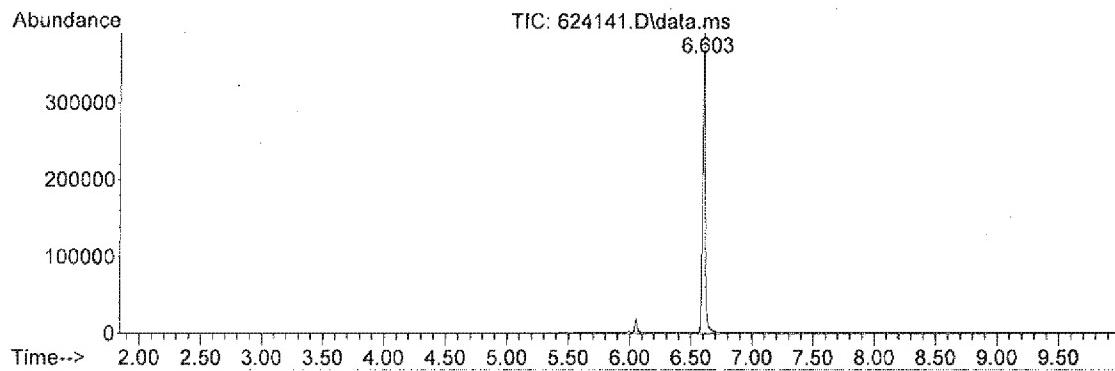
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624141.D
Operator : DCS
Date Acquired : 1 Oct 2008 18:58
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 41
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.603	589263	100.00	100.00

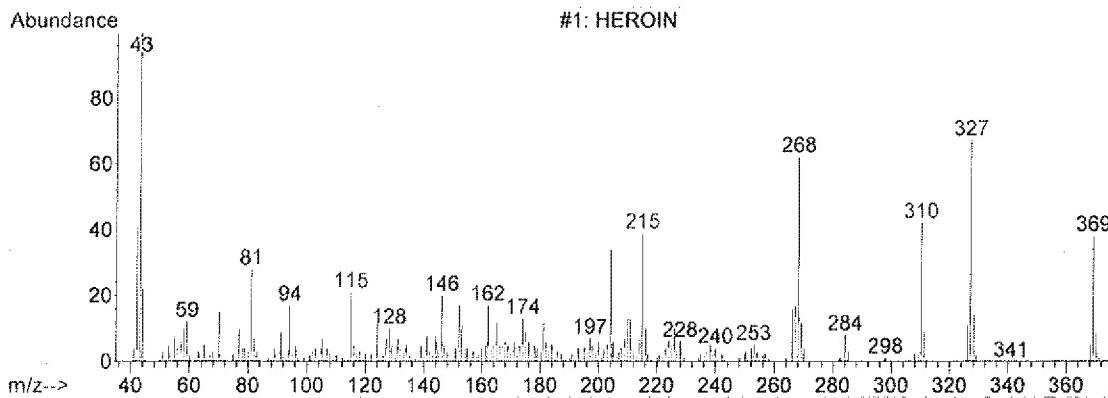
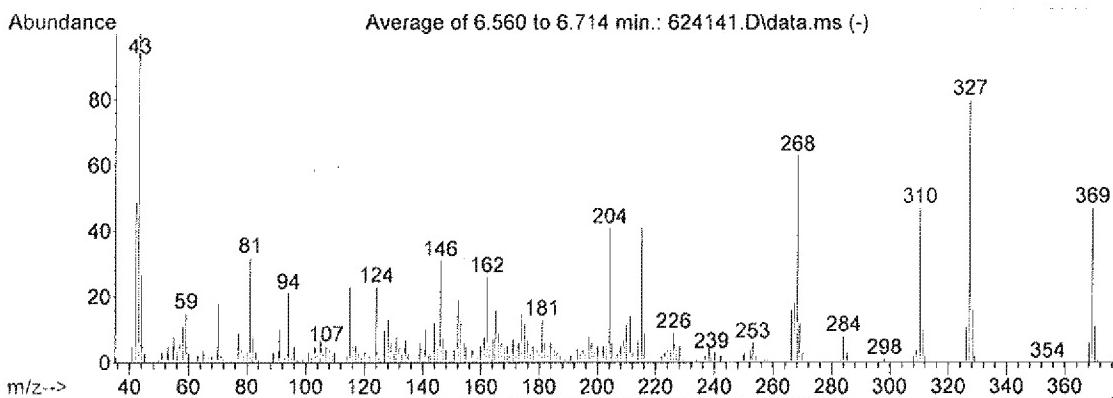
Area Percent / Library Search Report

Information from Data File:

File Name : E:\SYSTEM7\10_01_08\624141.D
Operator : DCS
Date Acquired : 1 Oct 2008 18:58
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 41
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.60	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	2



PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services

*Department of Public Health
State Laboratory Institute*

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Boston Hours

8:00 - 11:00
2:00 - 4:00

DRUG RECEIPT

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Amherst Hours

City of

Brockton Police Department

Police Reference No.:

Name and Rank of Submitting Officer: DONOHUE, PATRICK S 380 DOC # R014828

Defendant(s) Name (last,first,initial):

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight **Lab Number**

Received By:

Date:

5.3.12

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

*Office of Health and Human
Department of Public Health
State Laboratory Institute*

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours

8:00 - 11:00
2:00 - 4:00

Amherst Hours

DRUG RECEIPT

City or Department: Brockton Police Department **Police Reference No.:**

Name and Rank of Submitting Officer: DONOHUE, PATRICK S 380 DOC # R014827

Defendant(s) Name (last,first,initial):

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight Lab Number

1) PLASTIC BAG UNK BROWN POWDER (QTY: 1)
UNK BROWN POWDER (S16231)

14.72 gm

RESOURCES TO BE

RETESTED

Received By: _____

Date: 9/3/10

Corbett_email_PRR_015870

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services

Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours

8:00 - 11:00
2:00 - 4:00

Amherst Hours

9:00 - 12:00
1:00 - 3:00

DRUG RECEIPT

City or Department: Brockton Police Department Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: DONOHUE, PATRICK S 380 DOC # R014826

Defendant(s) Name (last,first,initial):
[REDACTED]

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight Lab Number

1) PLASTIC BAG UNK BROWN POWDER (QTY: 1)
UNK BROWN POWDER (S16232)

1.37 gm

RESUBMITTED TO BE

TESTED

Received By:

Date:

5.3.12

No. [REDACTED] Date Analyzed: MAY 14 2012

City: Brockton Police Dept.

Officer: Detective PATRICK DONOHUE

Def: [REDACTED]

Amount: Subst: SUB

No. Cont: 4 Cont: pb

Date Rec'd: 05/03/2012

No. Analyzed: 1

Gross Wt.: 10.88

Net Weight: 0.20g

Tests: 7

Prelim: heroin ✓ Findings: heroin ✓
Intact ✓ ECO ✓ PSL ✓

No. [REDACTED] Date Analyzed: MAY 14 2012
City: Brockton Police Dept.
Officer: Detective PATRICK DONOHUE
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 05/03/2012 No. Analyzed:
Gross Wt.: 14.72 Net Weight: 4.76g
Tests: 7

Prelim: heroin Findings: heroin DS
Intact vials ✓

No. [REDACTED] Date Analyzed: MAY 14 2012
City: Brockton Police Dept.
Officer: Detective PATRICK DONOHUE
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 05/03/2012 No. Analyzed:
Gross Wt.: 7.37 Net Weight: 0.12g
83 # Tests: 7

Prelim: heroin Findings: heroin DS
Intact vials

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY Bureau of
Balance 518113
Ohaus 104151057
Mettler 11174 HallgutANALYST JDS

No. of samples tested:

Evidence Wt.

10.4 g

PHYSICAL DESCRIPTION:

Tan powder / substance contained in four (4) clear plastic bags (one opened and contained in a clear sealed plastic bag) contained in a sealed plastic bag. bag marked B08-09124 ASK with ASD on theseus (3 dimpled Direct plastic bags containing unopened plastic bag initialed inside bag bag - sample intact)

Gross Wt (gds): 2.2958gGross Wt (pb): 1.0484g

Pkg. Wt:

Net Wt: 0.3241g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate () + blue

Marquis + purple

Froehde's + purple

Mecke's + green

Microcrystalline Tests

Gold Chloride

TLTA ()

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS heroinDATE 5/8/10

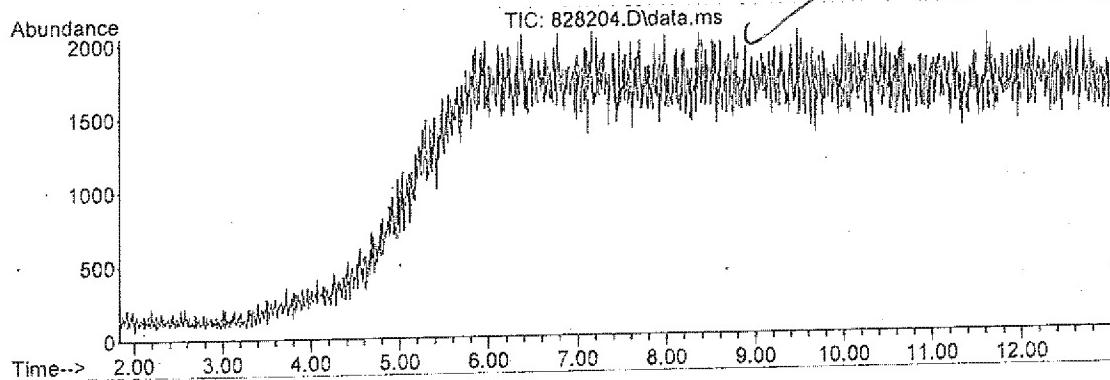
GC/MS CONFIRMATORY TEST 60511128

RESULTS heroinMS OPERATOR JDSDATE 5/14/10

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828204.D
Operator : DCS
Date Acquired : 11 May 2012 12:24
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



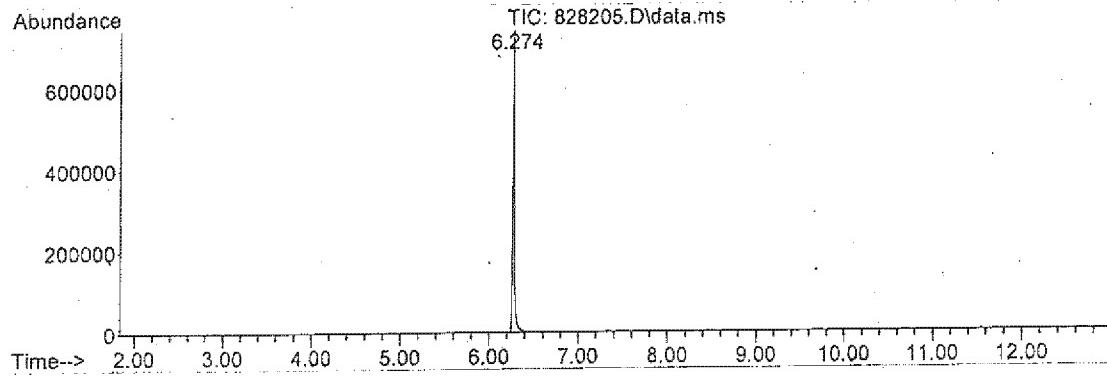
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828205.D
Operator : DCS
Date Acquired : 11 May 2012 12:40
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

6.274	1057260	100.00	100.00
-------	---------	--------	--------

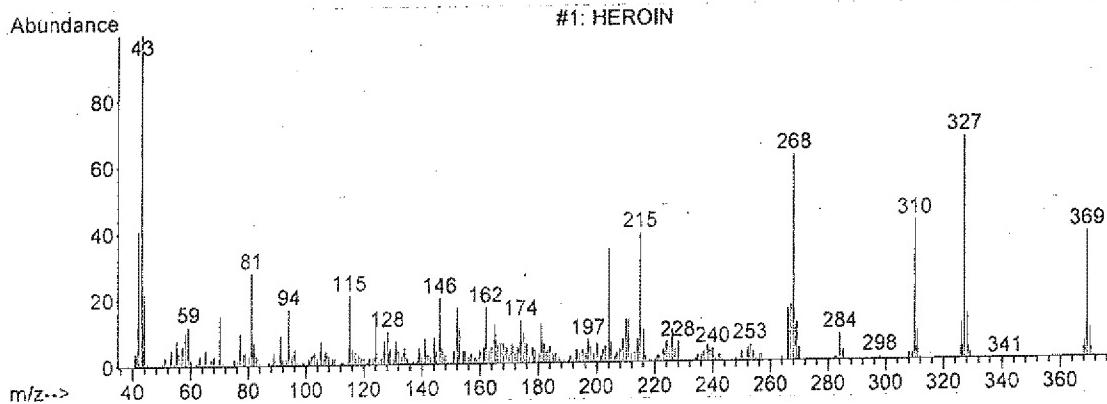
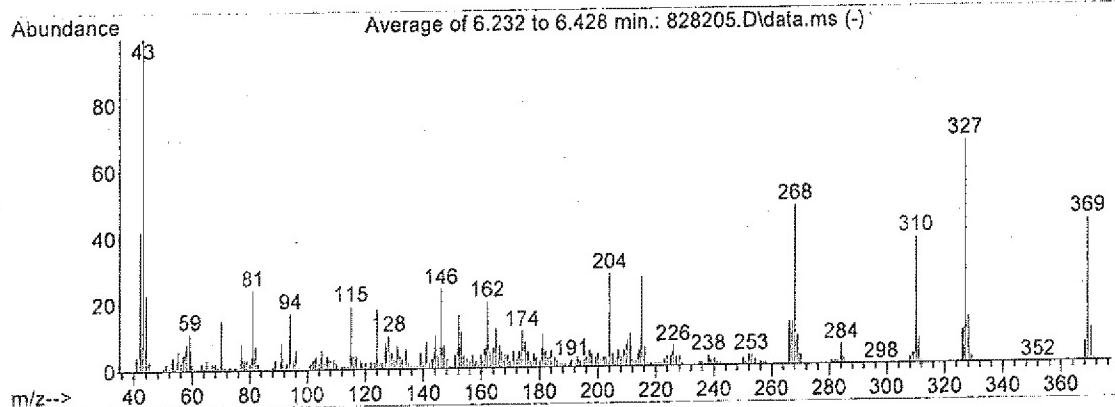
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828205.D
Operator : DCS
Date Acquired : 11 May 2012 12:40
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

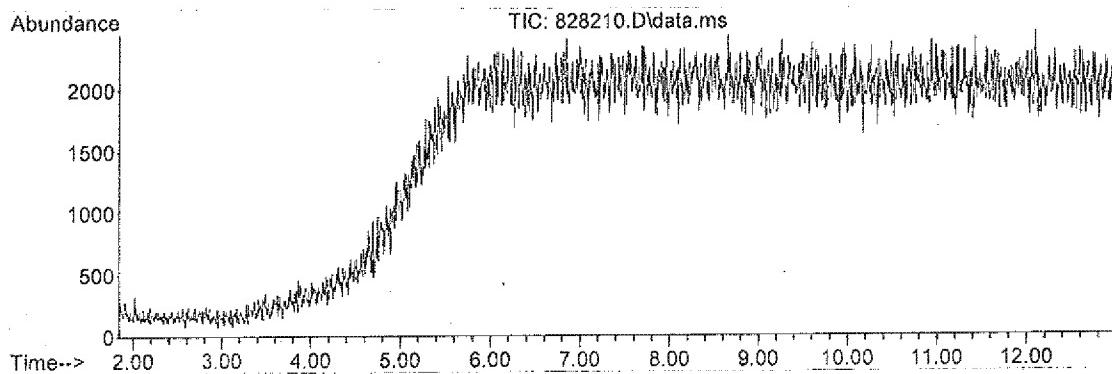
PK#	RT	Library/ID	CAS#	Qual
1	6.27	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828210.D
Operator : DCS
Date Acquired : 11 May 2012 13:58
Sample Name : BLANK
Submitted by : DCS
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



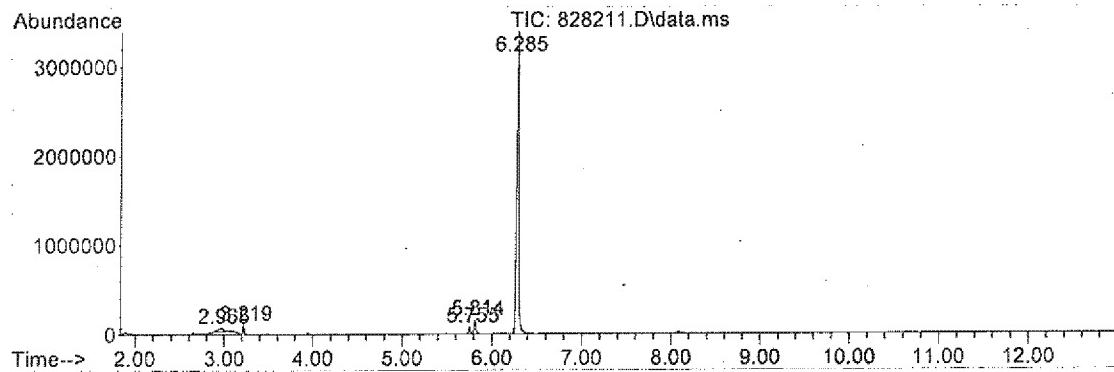
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828211.D
Operator : DCS
Date Acquired : 11 May 2012 14:14
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.965	178157	2.76	3.05
3.219	119710	1.85	2.05
5.755	100470	1.55	1.72
5.814	221725	3.43	3.79
6.285	5843617	90.41	100.00

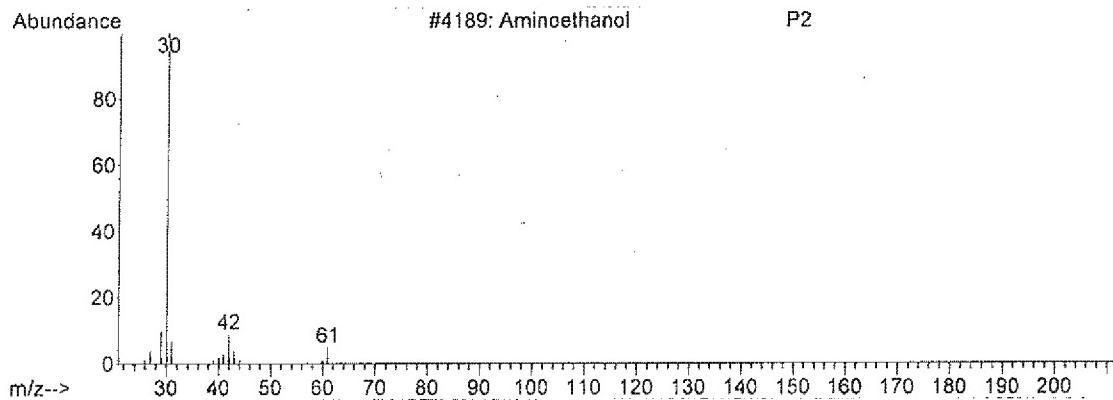
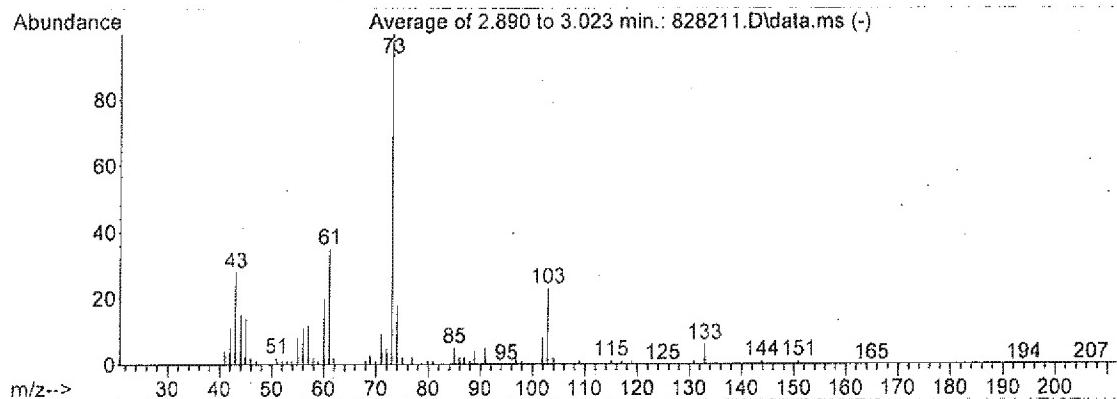
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828211.D
Operator : DCS
Date Acquired : 11 May 2012 14:14
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.96	C:\Database\PMW_TOX2.L		
		Aminoethanol	000141-43-5	3
		Valproic acid	000099-66-1	2
		Myristic acid	000544-63-8	2



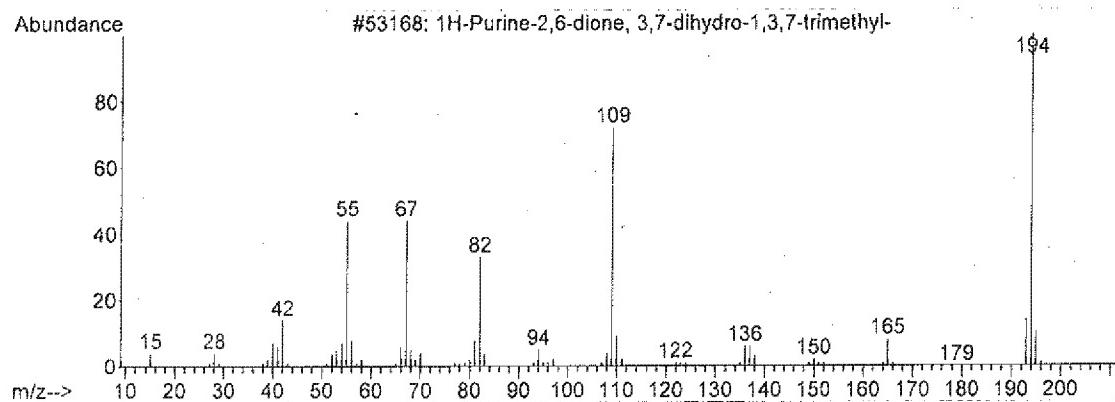
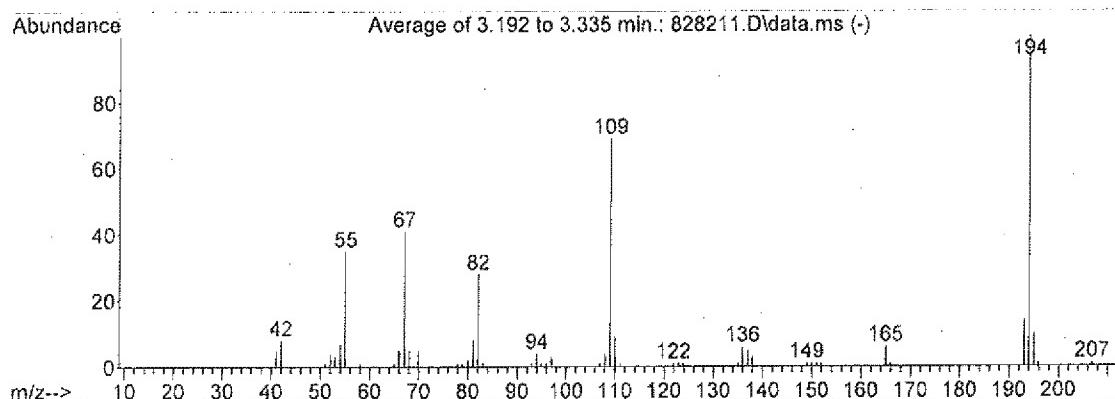
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828211.D
 Operator : DCS
 Date Acquired : 11 May 2012 14:14
 Sample Name : XXXXXXXXXX
 Submitted by : DCS
 Vial Number : 11
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.22	C:\Database\NIST05a.L		
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	96
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	96
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	96

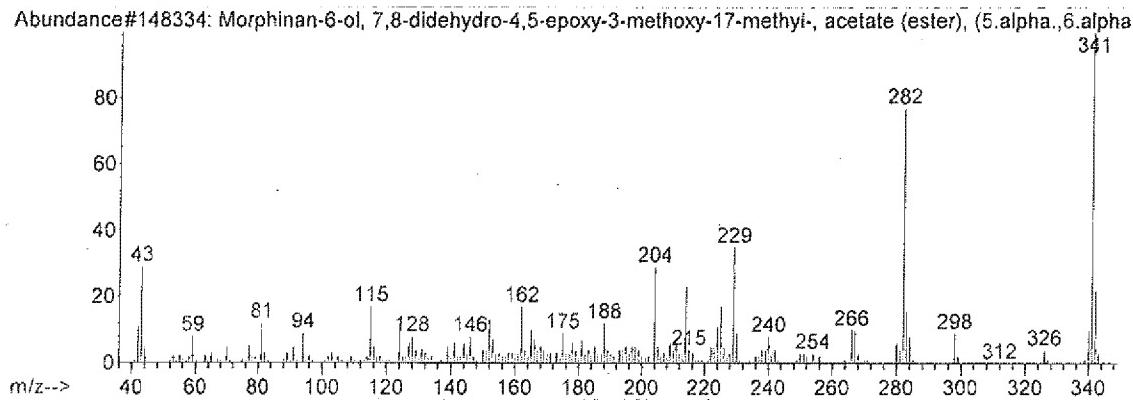
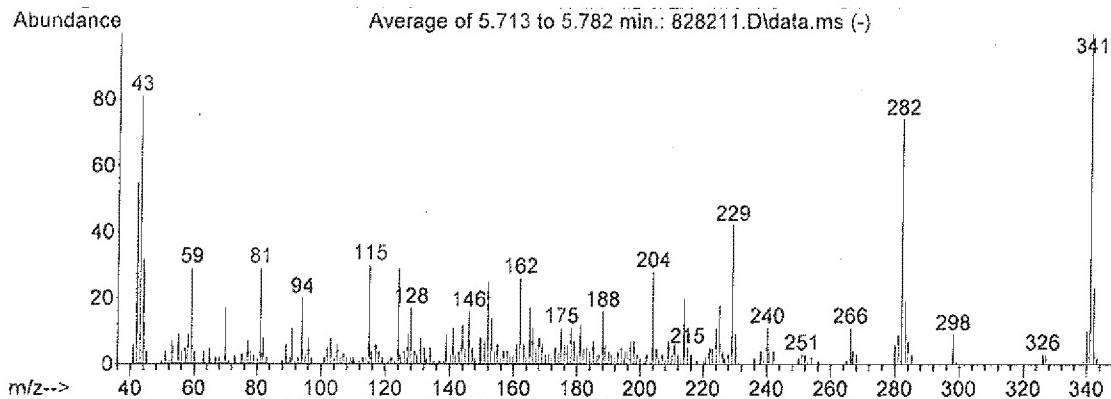


Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828211.D
Operator : DCS
Date Acquired : 11 May 2012 14:14
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	5.76	C:\Database\NIST05a.L		
		Morphinan-6-ol, 7,8-didehydro-4,5-e	006703-27-1	99
		Morphinan-6-ol, 7,8-didehydro-4,5-e	006703-27-1	99
		Acetylcodein	1000153-00-2	99

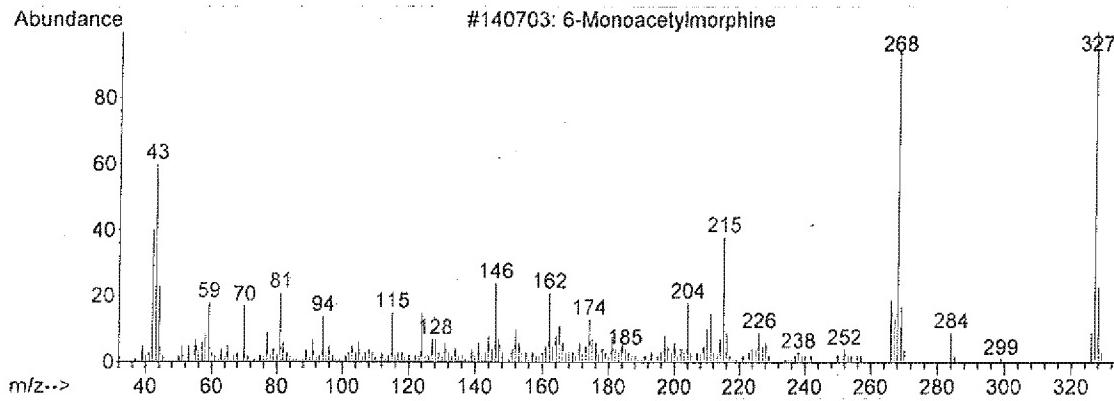
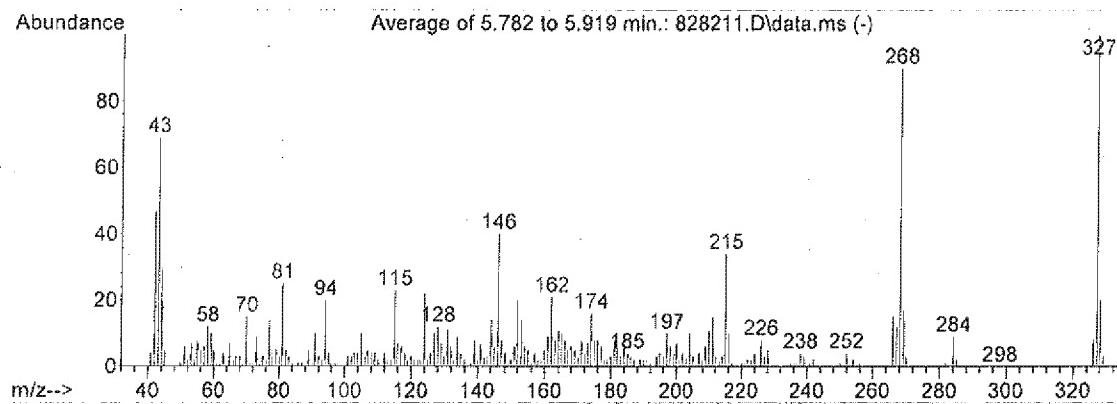


Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828211.D
Operator : DCS
Date Acquired : 11 May 2012 14:14
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	5.81	C:\Database\NIST05a.L		
		6-Monoacetylmorphine	002784-73-8	95
		6-Monoacetylmorphine	002784-73-8	93
		6-Monoacetylmorphine	002784-73-8	92



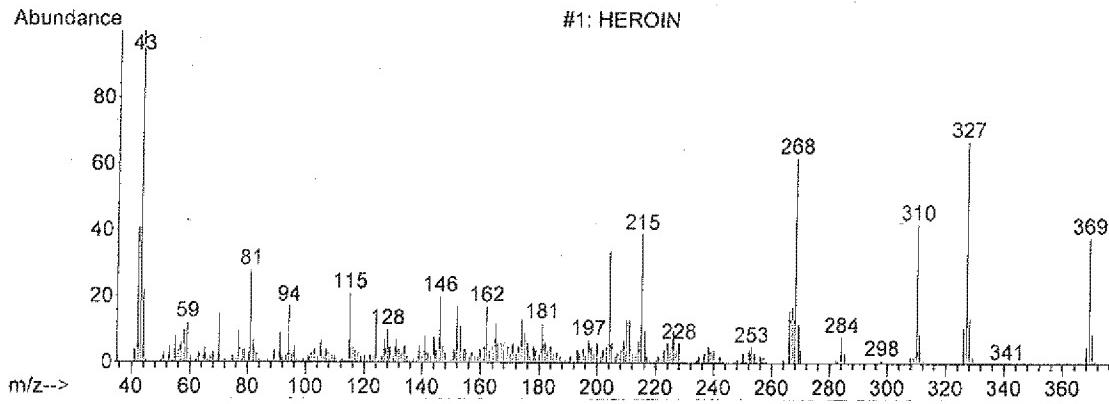
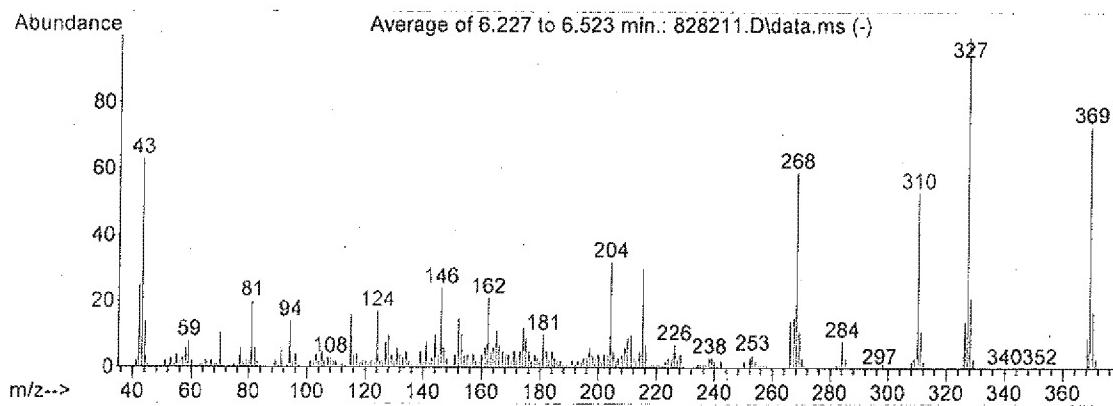
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828211.D
Operator : DCS
Date Acquired : 11 May 2012 14:14
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

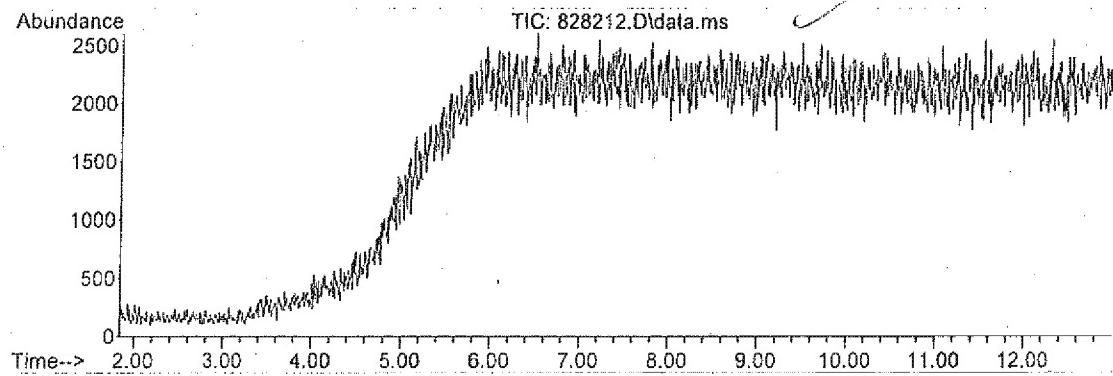
PK#	RT	Library/ID	CAS#	Qual
5	6.28	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828212.D
Operator : DCS
Date Acquired : 11 May 2012 14:30
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

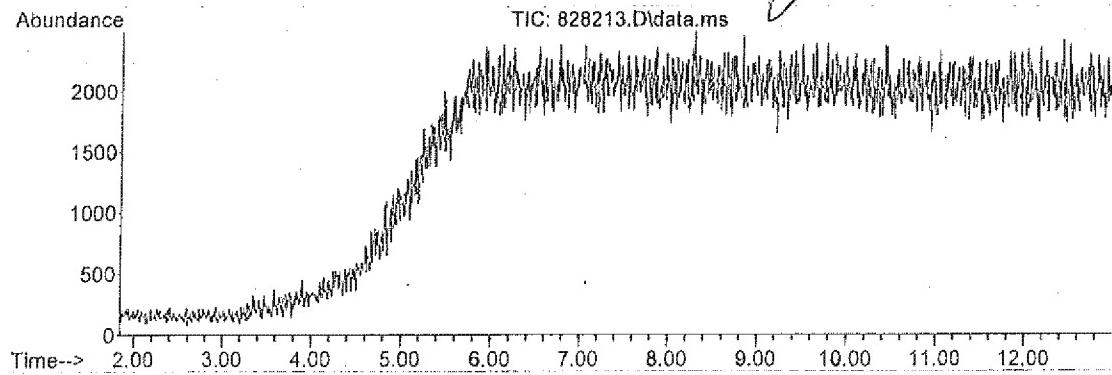


Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828213.D
Operator : DCS
Date Acquired : 11 May 2012 14:46
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

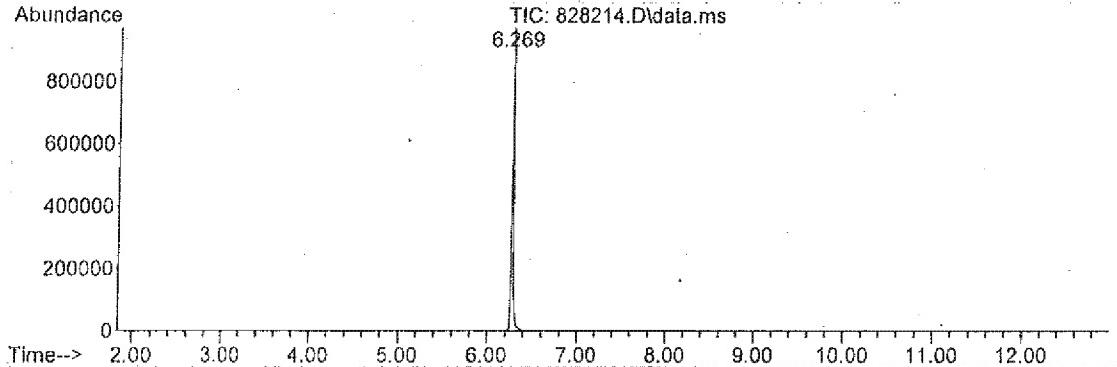


Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828214.D
Operator : DCS
Date Acquired : 11 May 2012 15:01
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.269	1320285	100.00	100.00

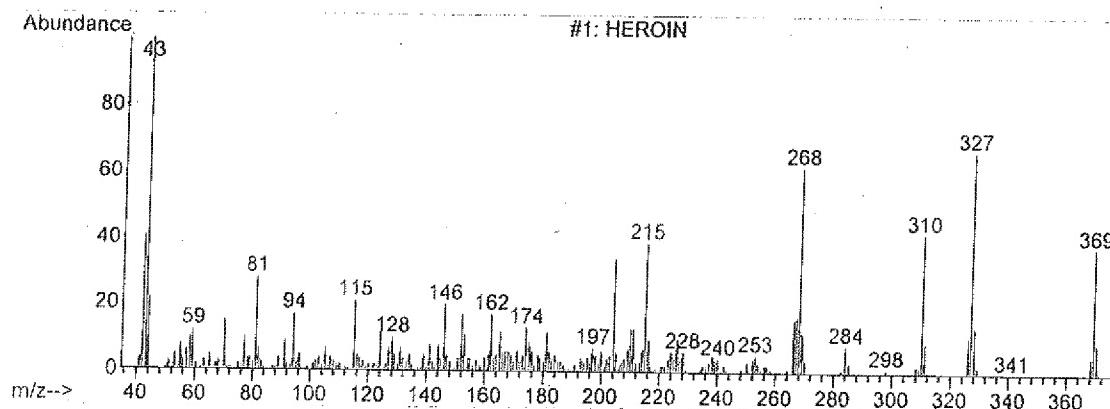
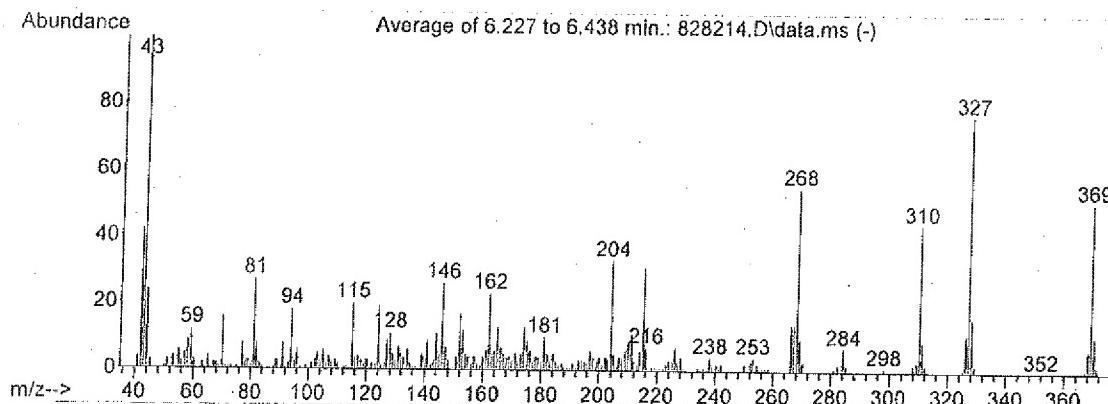
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828214.D
Operator : DCS
Date Acquired : 11 May 2012 15:01
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.27	C:\Database\SLI.L HEROIN	000561-27-3	99



DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY BecktonANALYST PD8

No. of samples tested: _____

Balancier K5610
Ohaus 110615105
Mettler 1119461124

Evidence Wt. _____

14.0g

PHYSICAL DESCRIPTION:

Tan chunky powdery substance contained more clear sealed plastic bag contained in one sealed (marked with hair) Kapak bag marked B8-C9114 A50 with ASPD on the seal with an opened instaled plastic bag (empty) contained in it sample intact

Gross Wt (): _____
Gross Wt (): 5.8670g
Pkg. Wt: _____
Pax: _____
Net Wt: 4.7685g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate () + blue

Marquis + purple

Froehde's + purple

Mecke's + green

Microcrystalline Tests

Gold Chloride _____

TLTA ()

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS heroin

DATE 5/8/18

GC/MS CONFIRMATORY TEST COE112.S

RESULTS heroin

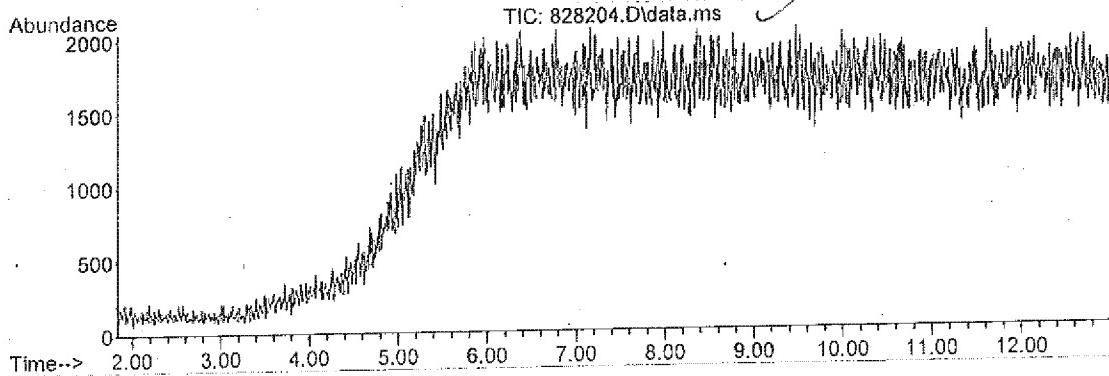
MS OPERATOR PD8

DATE 5/14/18

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828204.D
Operator : DCS
Date Acquired : 11 May 2012 12:24
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



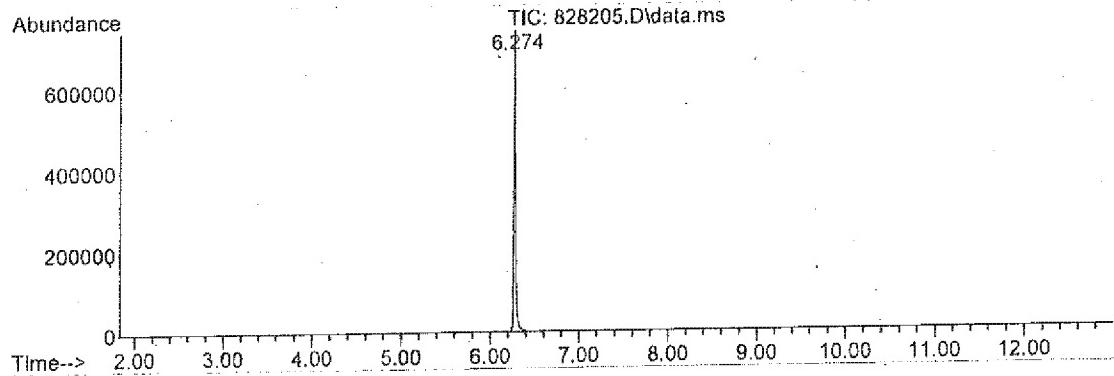
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828205.D
Operator : DCS
Date Acquired : 11 May 2012 12:40
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

6.274	1057260	100.00	100.00
-------	---------	--------	--------

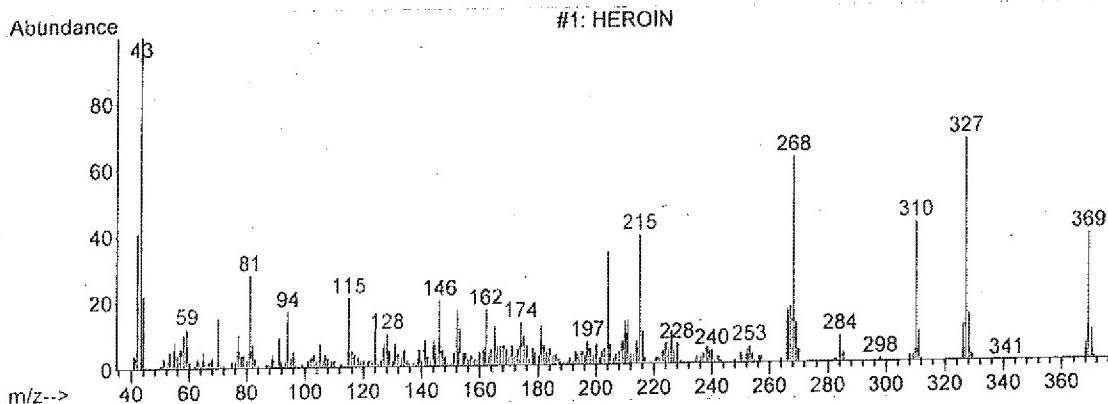
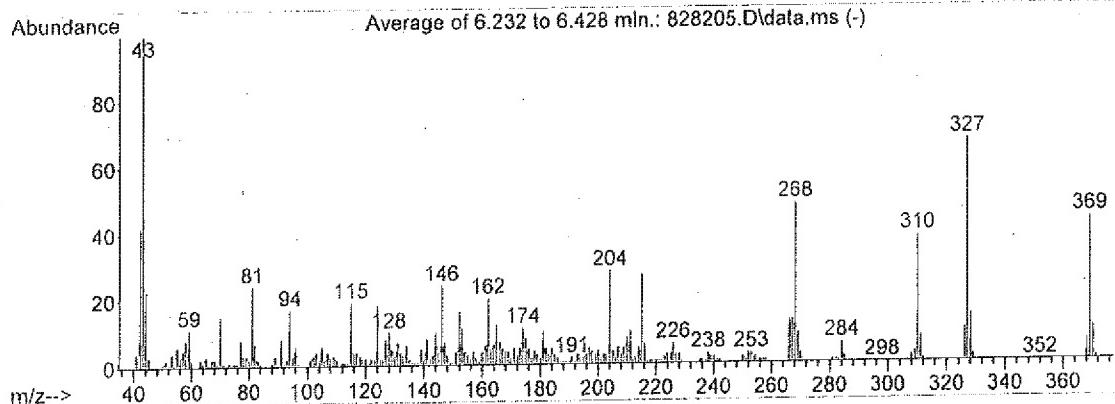
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828205.D
Operator : DCS
Date Acquired : 11 May 2012 12:40
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

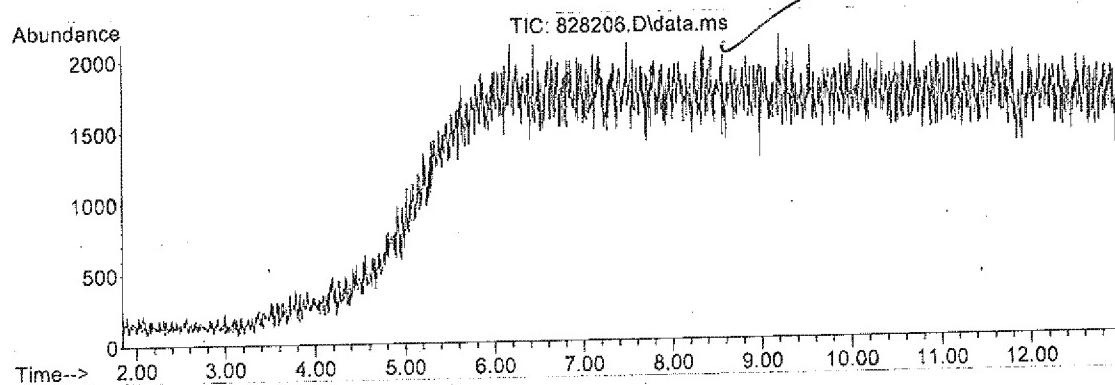
PK#	RT	Library/ID	CAS#	Qual
1	6.27	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828206.D
Operator : DCS
Date Acquired : 11 May 2012 12:56
Sample Name : BLANK
Submitted by : DCS
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



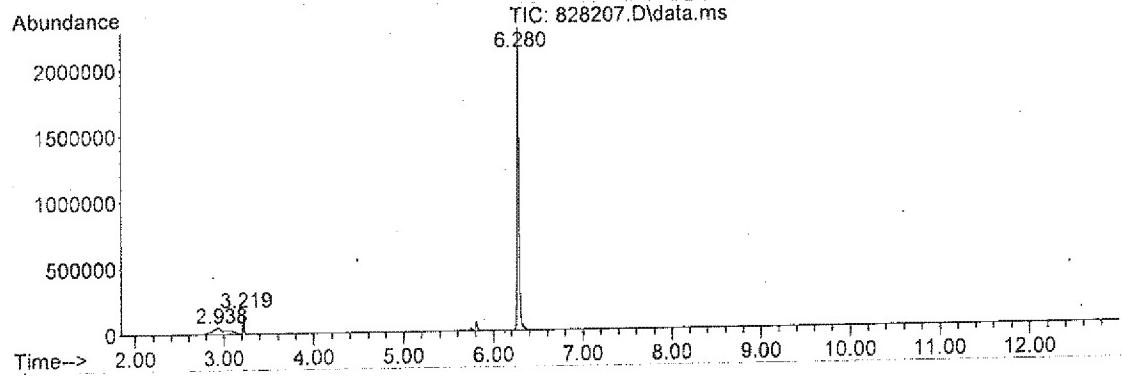
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828207.D
Operator : DCS
Date Acquired : 11 May 2012 13:11
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.938	332454	8.77	10.09
3.219	166065	4.38	5.04
6.280	3293570	86.85	100.00

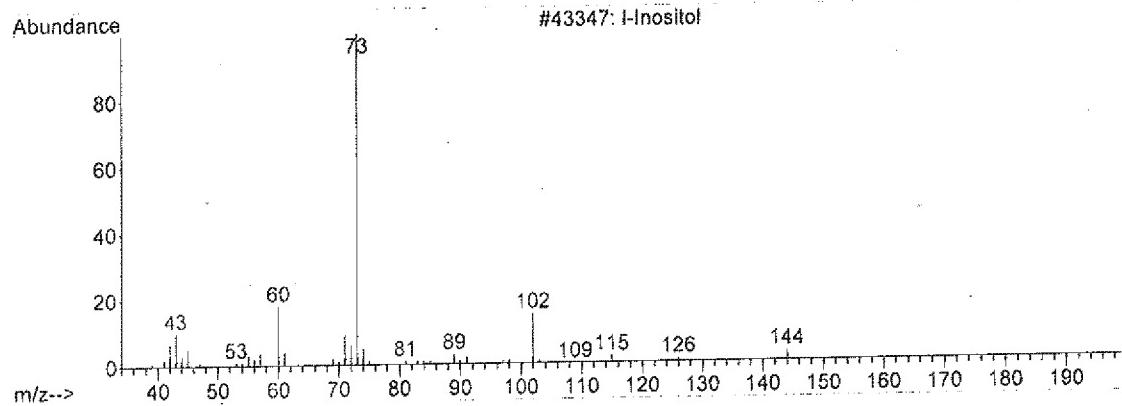
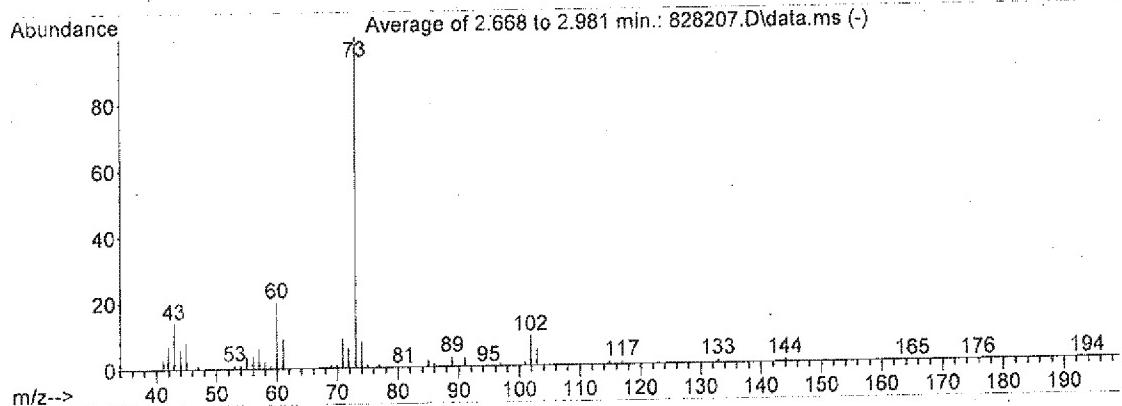
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828207.D
 Operator : DCS
 Date Acquired : 11 May 2012 13:11
 Sample Name : XXXXXXXXXX
 Submitted by : DCS
 Vial Number : 7
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.94	C:\Database\NIST05a.L		
		1-Inositol	1000007-49-1	80
		Scyllo-Inositol	000488-59-5	80
		Inositol	006917-35-7	72



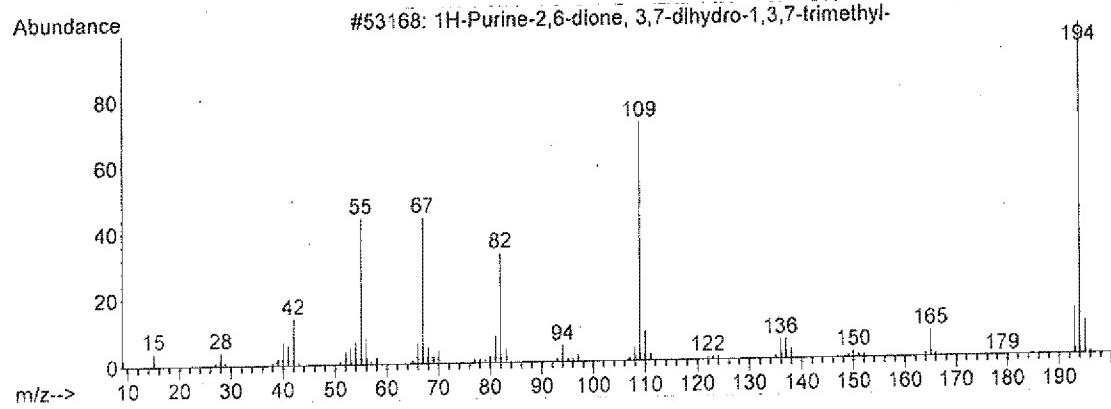
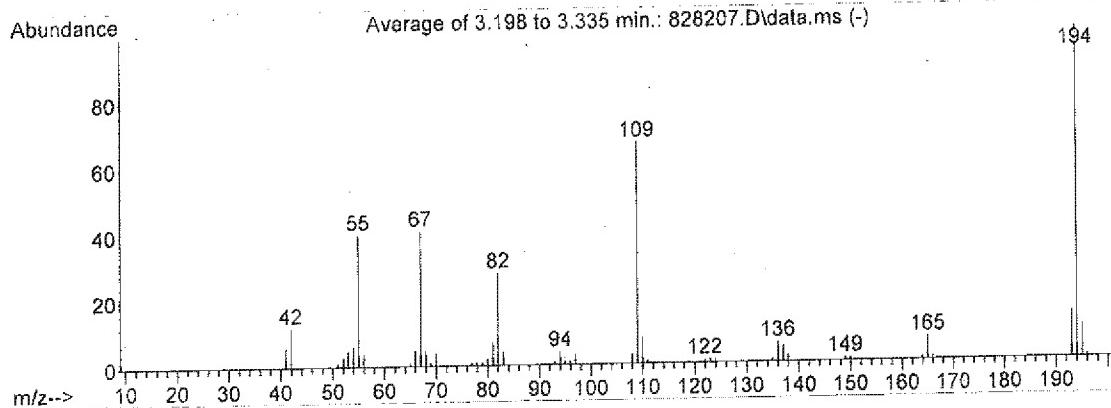
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828207.D
Operator : DCS
Date Acquired : 11 May 2012 13:11
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.22	C:\Database\NIST05a.L		
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	96



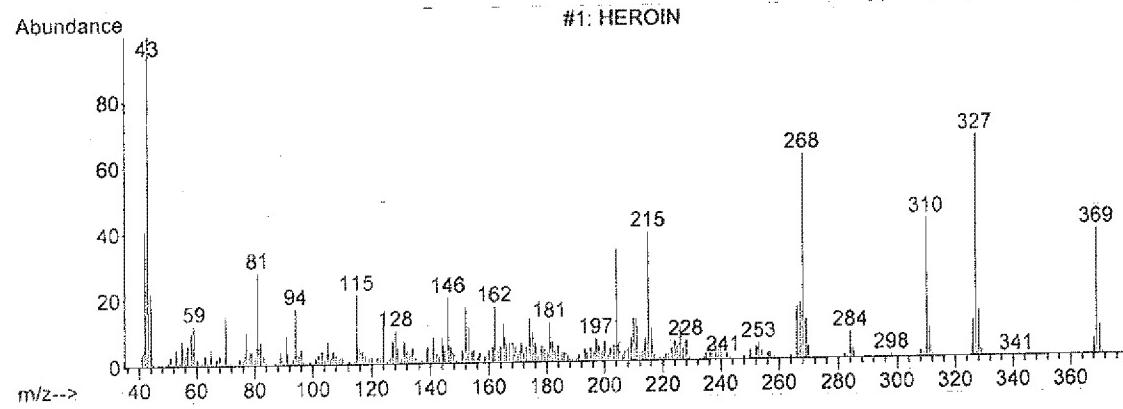
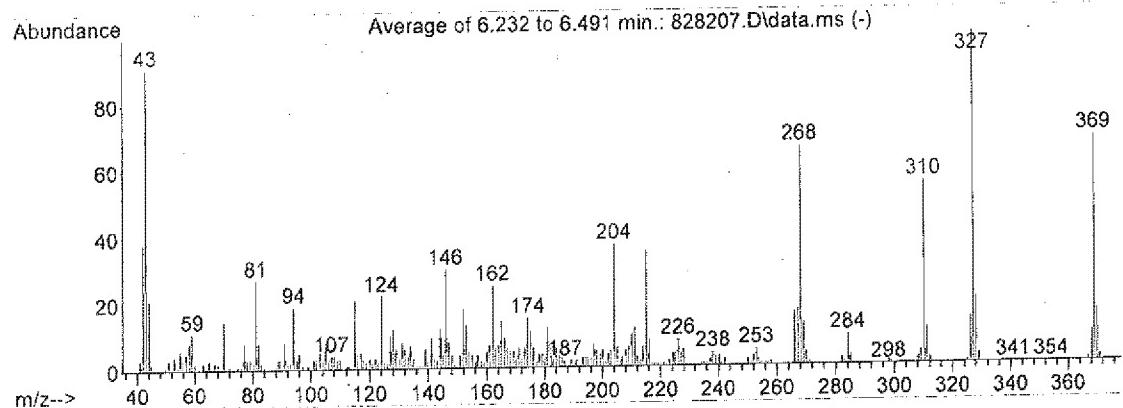
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828207.D
Operator : DCS
Date Acquired : 11 May 2012 13:11
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

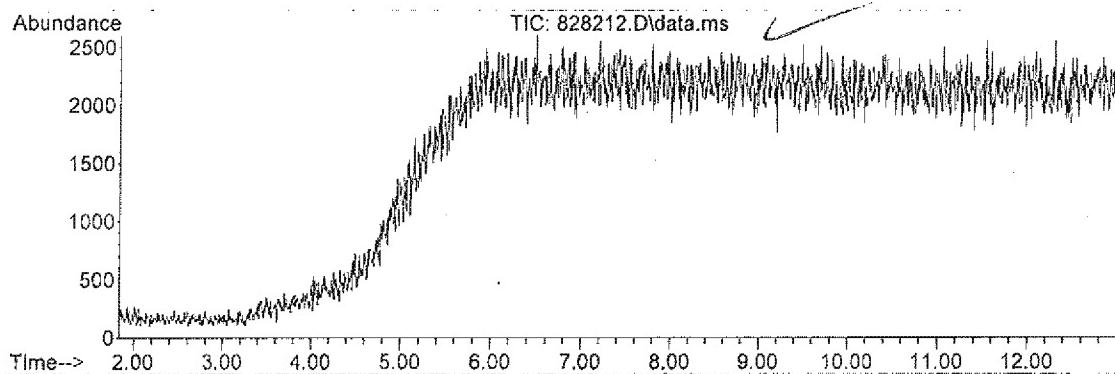
PK#	RT	Library/ID	CAS#	Qual
3	6.28	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828212.D
Operator : DCS
Date Acquired : 11 May 2012 14:30
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

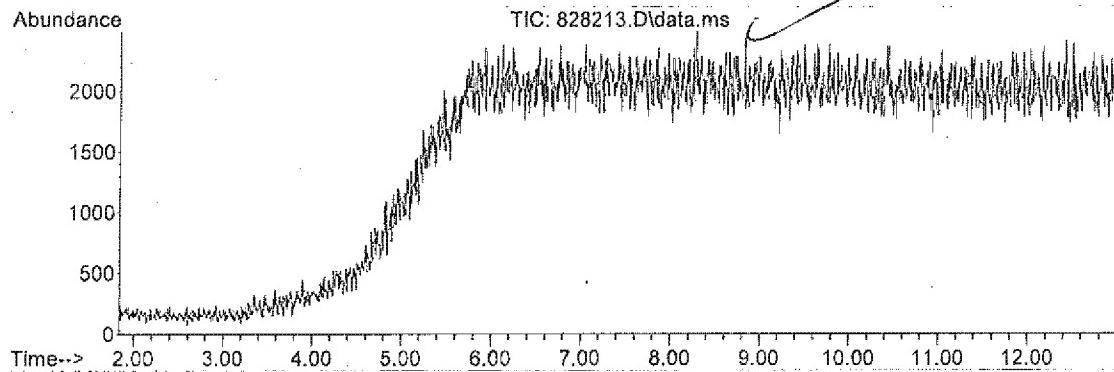


Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828213.D
Operator : DCS
Date Acquired : 11 May 2012 14:46
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



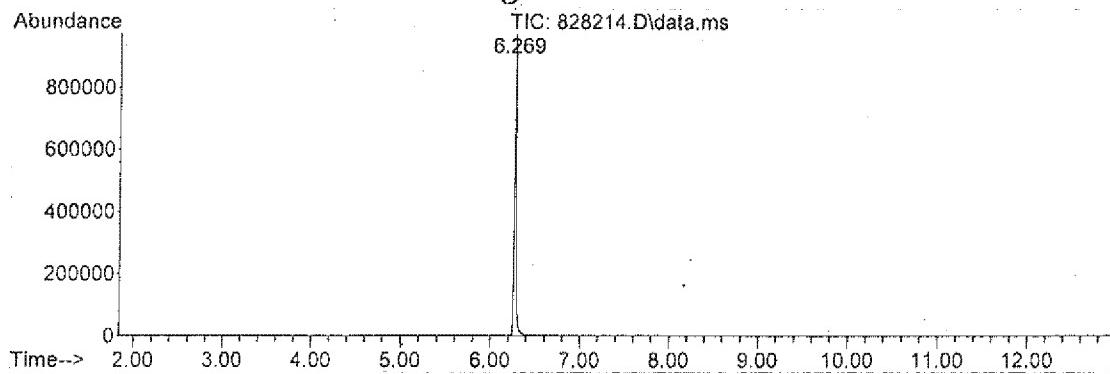
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828214.D
Operator : DCS
Date Acquired : 11 May 2012 15:01
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.269	1320285	100.00	100.00

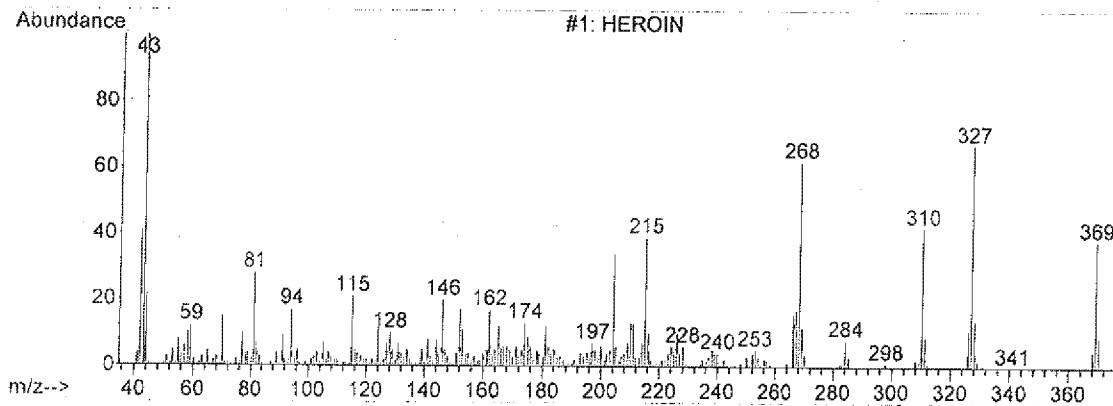
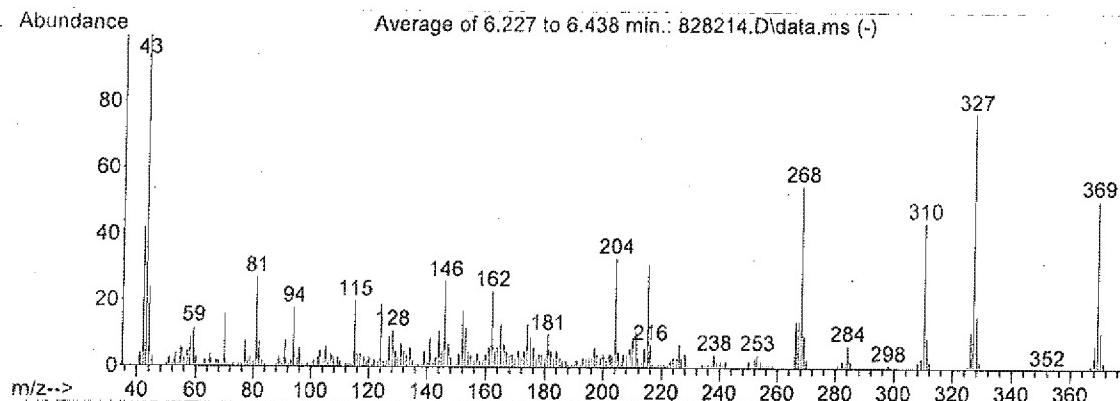
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828214.D
Operator : DCS
Date Acquired : 11 May 2012 15:01
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.27	C:\Database\SLI.L HEROIN	000561-27-3	99



DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY BracktonANALYST PLS

No. of samples tested:

Balance OK 5/16/02
Ohaus 110151057
Mettler 1119461624

Evidence Wt.

6.7g

PHYSICAL DESCRIPTION:

Gross Wt (): _____

Beany chunky substance contained in one clear
Sealed plastic bag marked with an X contained more
Sealed Kapak bag marked B08-09715 ASD with Aspartame
seen also containing an open initialed plastic bag - sample intact ✓
Pkg. Wt: _____
Net Wt: 0.1279

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate () + blue

Marquis + purple

Froehde's + purple

Mecke's + green

Microcrystalline Tests

Gold Chloride _____

TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS heroinDATE 5/8/12

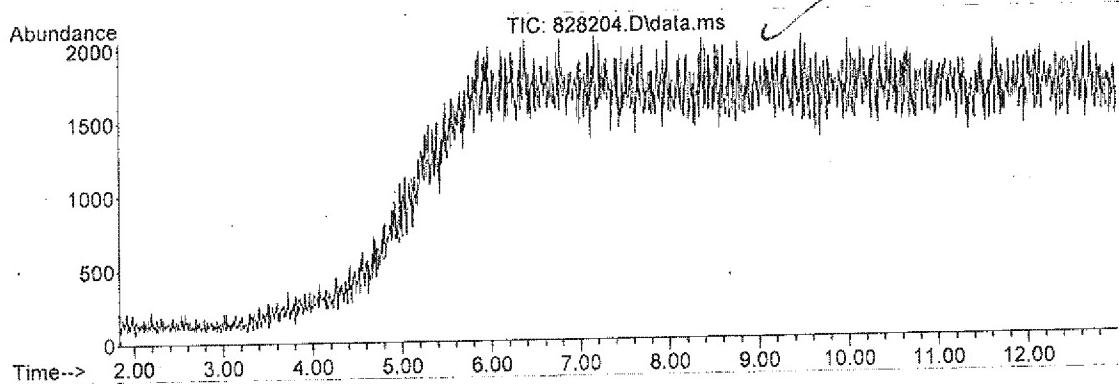
GC/MS CONFIRMATORY TEST GC5112.S

RESULTS heroinMS OPERATOR PLSDATE 5/14/12

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828204.D
Operator : DCS
Date Acquired : 11 May 2012 12:24
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



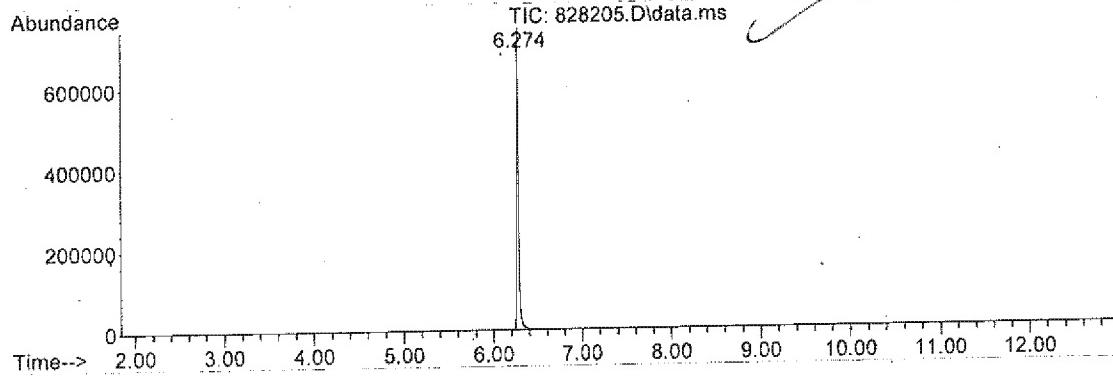
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828205.D
Operator : DCS
Date Acquired : 11 May 2012 12:40
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.274	1057260	100.00	100.00

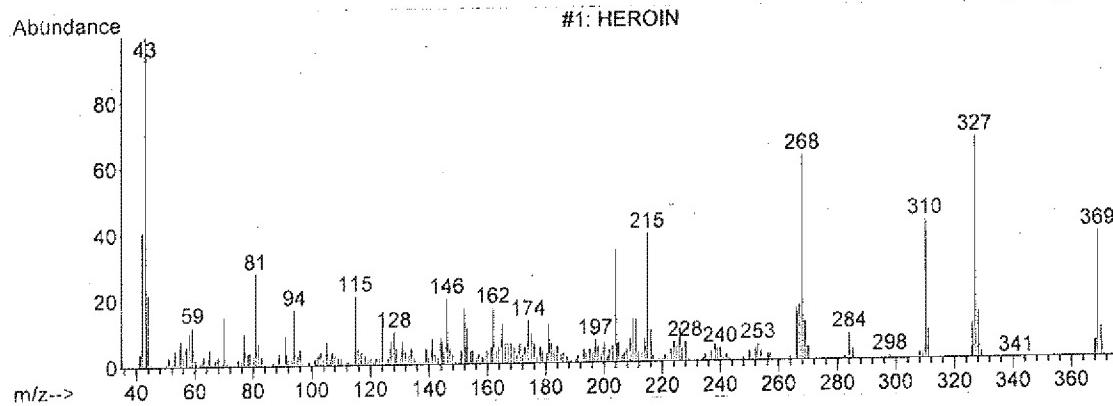
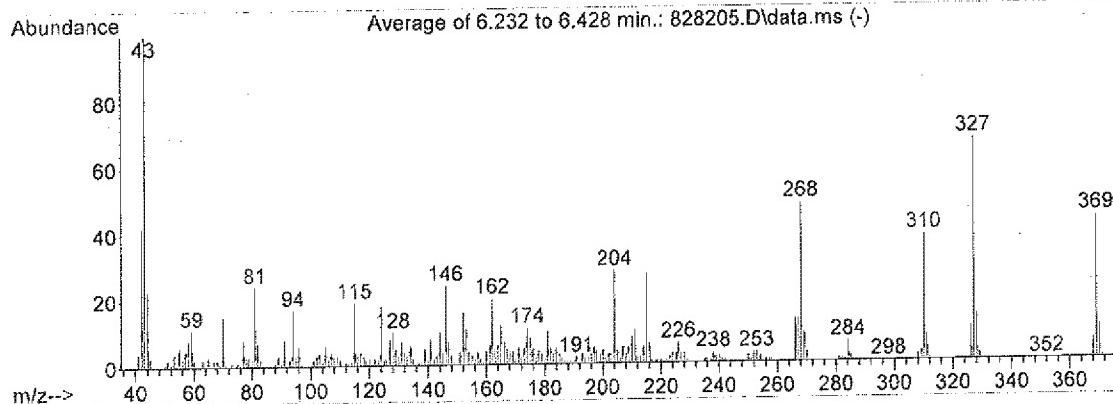
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828205.D
Operator : DCS
Date Acquired : 11 May 2012 12:40
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

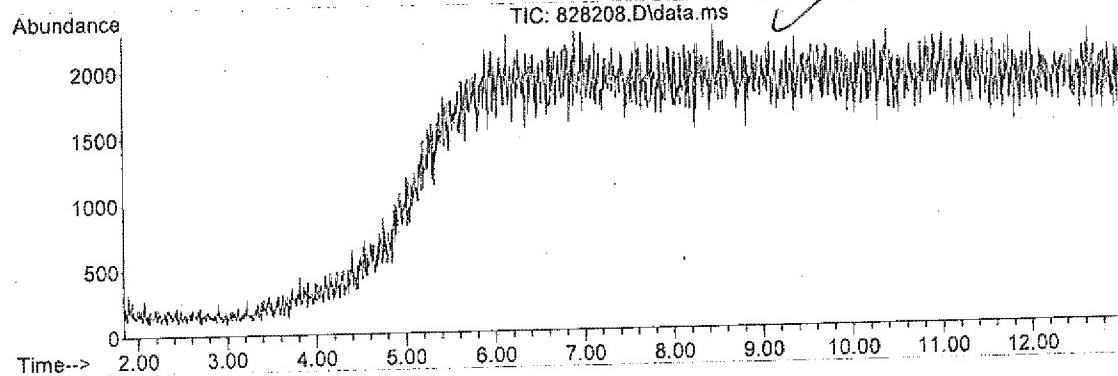
PK#	RT	Library/ID	CAS#	Qual
1	6.27	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828208.D
Operator : DCS
Date Acquired : 11 May 2012 13:27
Sample Name : BLANK
Submitted by : DCS
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



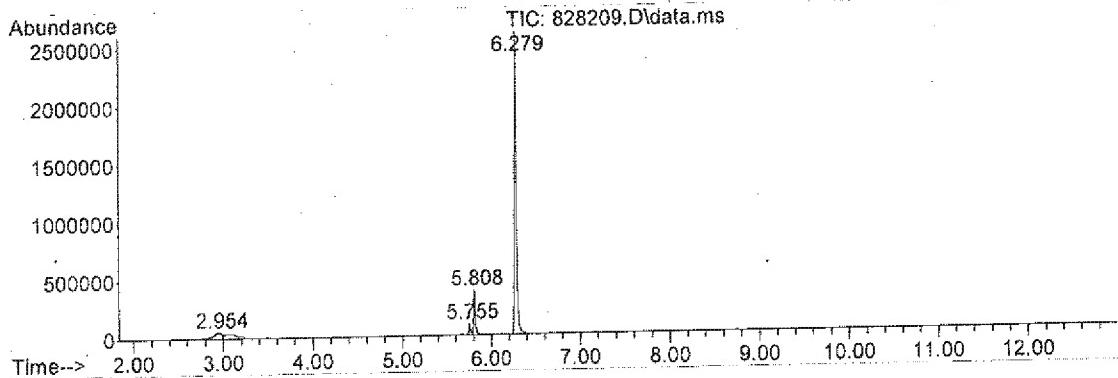
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828209.D
Operator : DCS
Date Acquired : 11 May 2012 13:43
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.954	359502	7.15	8.95
5.755	122430	2.43	3.05
5.808	530482	10.55	13.20
6.280	4017956	79.87	100.00

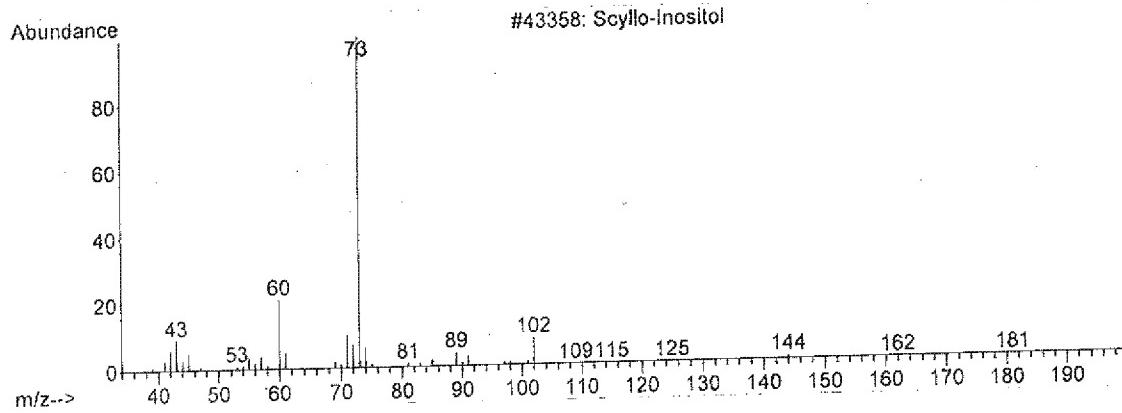
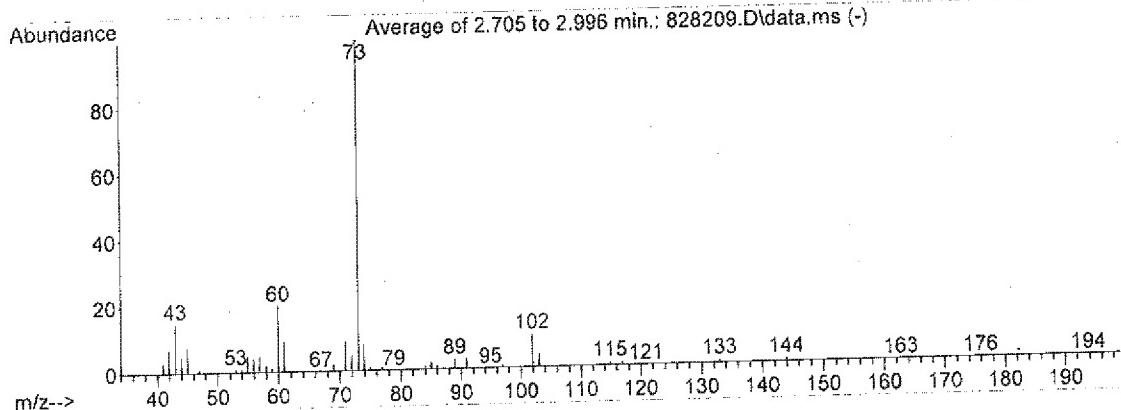
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828209.D
Operator : DCS
Date Acquired : 11 May 2012 13:43
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.95	C:\Database\NIST05a.L		
		Scyllo-Inositol	000488-59-5	86
		Inositol	000087-89-8	80
		Inositol	006917-35-7	78



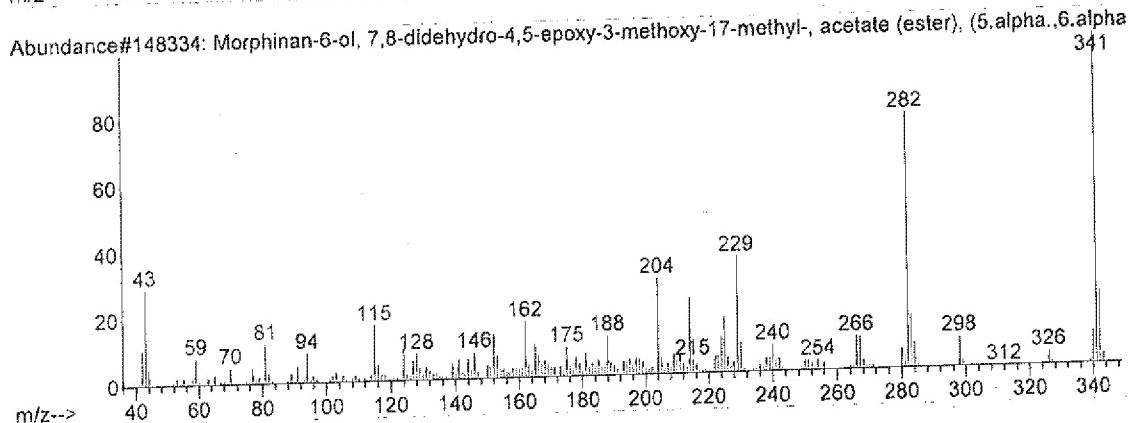
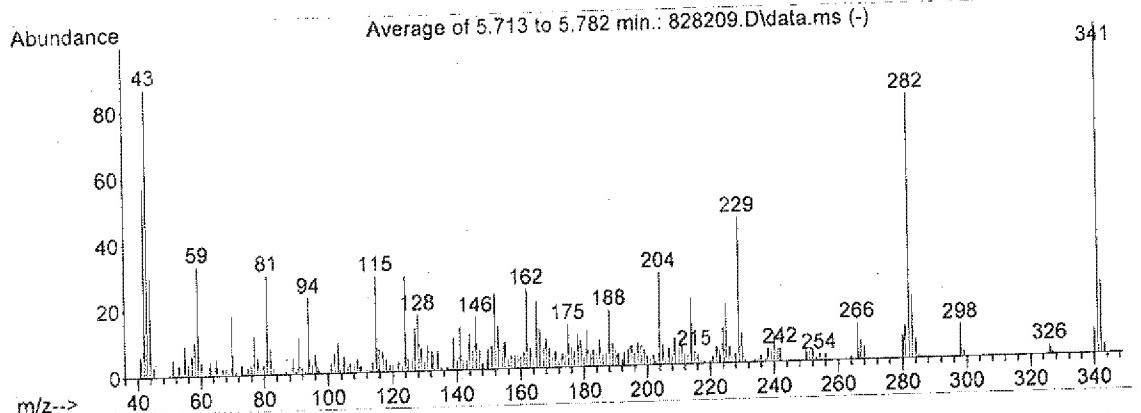
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828209.D
 Operator : DCS
 Date Acquired : 11 May 2012 13:43
 Sample Name : XXXXXXXXXX
 Submitted by : DCS
 Vial Number : 9
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	5.76	C:\Database\NIST05a.L		
		Morphinan-6-ol, 7,8-didehydro-4,5-e	006703-27-1	99
		Morphinan-6-ol, 7,8-didehydro-4,5-e	006703-27-1	99
		Acetylcodein	1000153-00-2	94



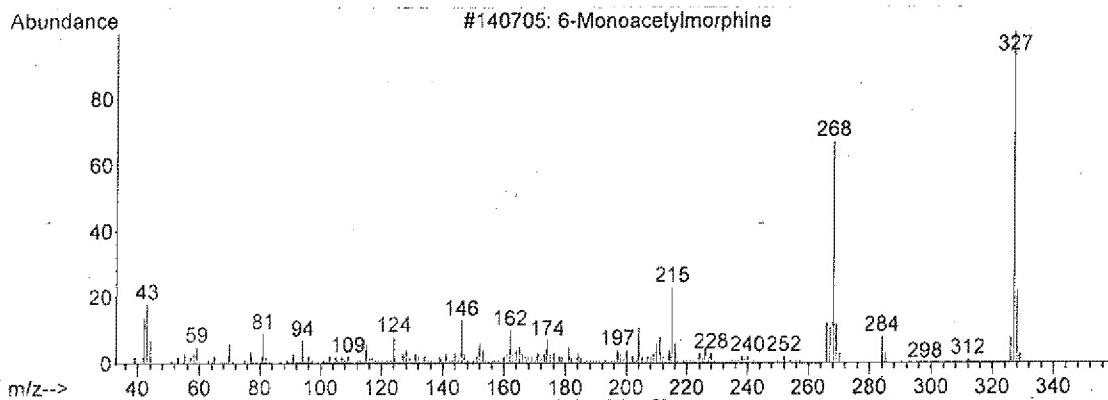
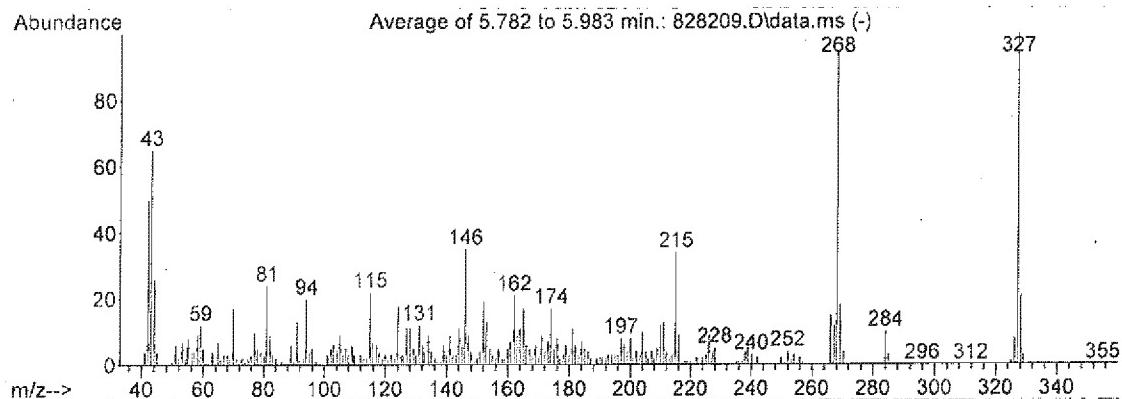
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828209.D
Operator : DCS
Date Acquired : 11 May 2012 13:43
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	5.81	C:\Database\NIST05a.L		
		6-Monoacetylmorphine	002784-73-8	96
		6-Monoacetylmorphine	002784-73-8	94
		6-Monoacetylmorphine	002784-73-8	93



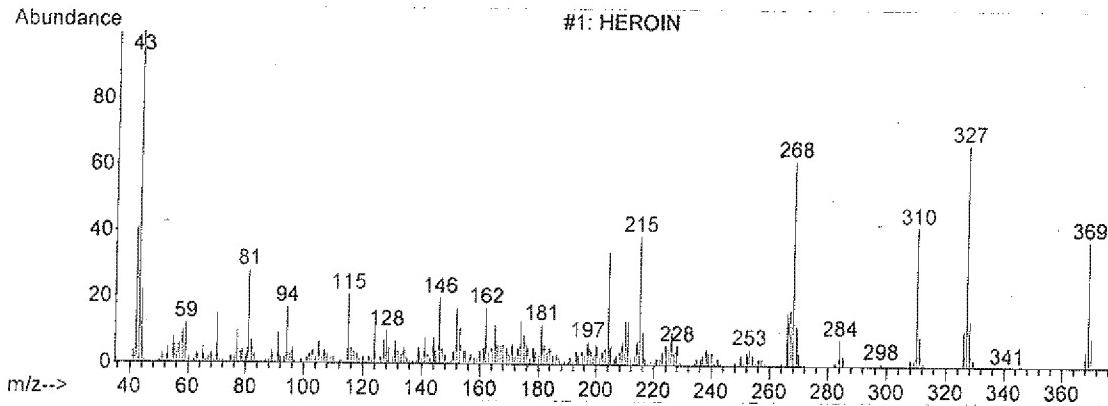
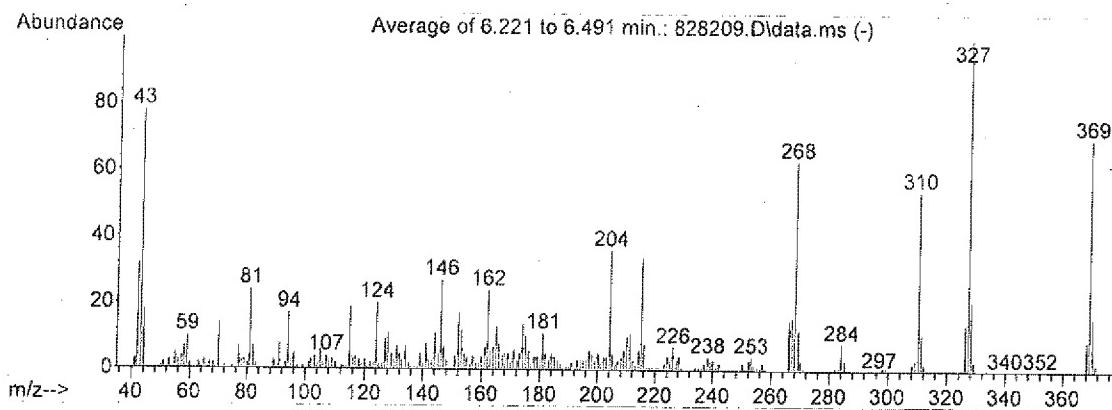
Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828209.D
Operator : DCS
Date Acquired : 11 May 2012 13:43
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

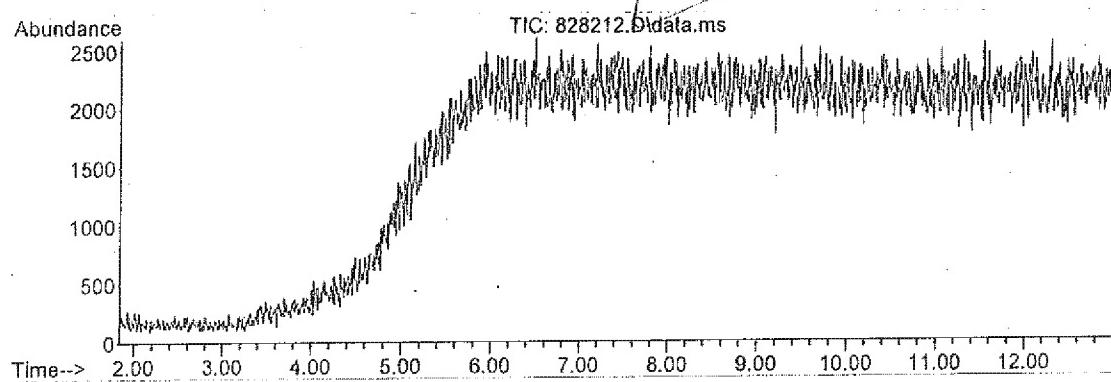
PK#	RT	Library/ID	CAS#	Qual
4	6.28	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828212.D
Operator : DCS
Date Acquired : 11 May 2012 14:30
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



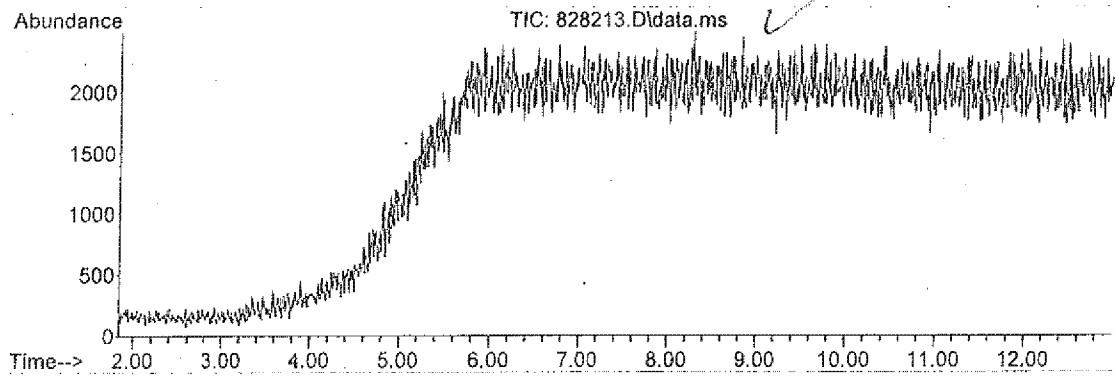
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828213.D
Operator : DCS
Date Acquired : 11 May 2012 14:46
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

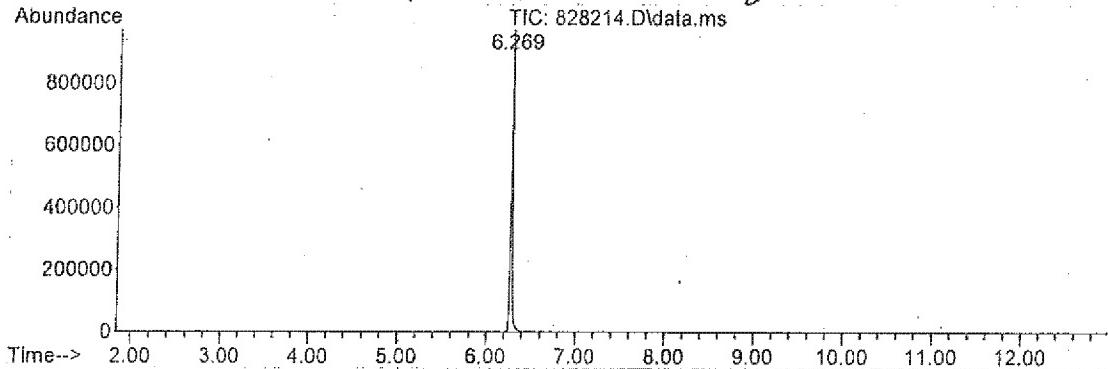


Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828214.D
Operator : DCS
Date Acquired : 11 May 2012 15:01
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.269	1320285	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

File Name : C:\MSDCHEM\1\SYSTEM7\05_11_12\828214.D
Operator : DCS
Date Acquired : 11 May 2012 15:01
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.27	C:\Database\SLI.L HEROIN	000561-27-3	99

